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Groundwater Assessment Report Nelson C-1

August 11, 2016

Prepared By:

Talon/LPE
1811 East Mulberry Street
Fort Collins, CO 80524

Prepared For:

Whiting Petroleum Corporation

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1 Introduction

Talon/LPE (Talon) was contracted by Whiting Petroleum Corporation (Whiting) to conduct site investigation assessment activities associated with a flowline release identified at the Nelson C1 site (Site) in Weld County, Colorado. The site is located at the northwest quarter of the southeast quarter of Section 18, Township 10 North, Range 58 West, 6th Principal Meridian at 40°50'10.72"N and 103°54'17.73"W (Attachment 1). The site is identified by the State of Colorado Oil and Gas Conservation Commission (COGCC) as Spill/Release Point Facility ID 441208. The Site Plan is shown on Figure 1, and the general site location is shown on Figure 7.

2 Objective

The primary objective of this document is to provide an assessment of site investigation activities including the installation of monitoring wells, and groundwater monitoring. The site investigation activities were performed to determine the nature and extent of soil and/or groundwater impacts resulting from a flowline release. The release was discovered and reported on COGCC Form 19 on March 30, 2015. Assessment and remediation activities are being conducted as part of COGCC Form 27 Number 9146.

3 Regulatory Framework

The COGCC has regulatory jurisdiction over oil and natural gas industry operations in the State of Colorado. Section 900 of the COGCC Rules is for Exploration and Production Waste Management. More specifically, Section 910 details the Concentrations and Sampling for Soil and Groundwater rules. The regulatory limits for specific analytes in soil and groundwater are detailed in Table 910-1 and are summarized below.

| Compound | COGCC Table 910-1 Soil Concentrations | COGCC Table 910-1 Groundwater Concentrations |
|---|--|---|
| Benzene | 0.17 mg/kg | 0.005 mg/L |
| Toluene | 85 mg/kg | 1.0 mg/L |
| Ethylbenzene | 100 mg/kg | 0.7 mg/L |
| Xylenes (total) | 175 mg/kg | 10 mg/L |
| Naphthalene | 23 mg/kg | Not Applicable |
| TPH (total volatile and extractable petroleum hydrocarbons) | 500 mg/kg | Not Applicable |

4 Site Characteristics

4.1 Geography

The site is located in the Pawnee Grasslands in Weld County, which is the northeastern part of Colorado. The Grasslands are part of the Colorado Eastern Plains and are relatively flat with the exception of the Pawnee Creek which drains into the South Platte River.

4.2 Geologic Summary

Surficial geology surrounding the area consists of Tertiary age fluvial deposits of the lower

Ogallala Formation. More specifically, these deposits are Miocene in age and are composed of gray to brown and semi-consolidated, ashy sands and silt beds with volcanic ash beds. Deposited material hardened into sandstone and siltstone which are grouped into three formations: White River, Arikaree, and Ogallala.

4.3 Groundwater

According to the Colorado Division of Water Resources Website, there are no water wells within 1,000-foot radius of the Site.

Depth to groundwater levels, as measured on June 20, 2016, in the 20 groundwater monitoring wells range from 26.40 to 43.14 feet below top of casing (Table 4), which are above-ground by approximately three (3) feet (ft). Several wells had measurable amounts of phase-separated hydrocarbons (PSH) during this monitoring event.

5 Site Investigation Activities

5.1 Previous Field Activities

On March 20, 2015, COGCC Form 19 was submitted which describes a condensate leak which was found on a flowline leading to a treater due to a loose union. The union was replaced to mitigate the leak. The Form 19 outlines a remedial action plan of excavating impacted soils and placing them on a liner for on-site remediation via soil shredding.

On March 30, 2015, a Supplemental Form 19 was submitted which reports that excavation activities indicated that soil was impacted and the extent of impacts needed to be delineated.

In September through October 2015, Talon performed a subsurface site assessment to define the extent of soil impacts associated with this release, which included the installation of four groundwater monitoring wells. The results of this assessment indicated soil impacts in monitoring wells MW-1 and MW-2 (Figure 2a) and groundwater impacts to the east and northeast of the tank battery area. Following this assessment, Talon recommended installing four additional monitoring wells to further delineate the horizontal and vertical extent of soil and groundwater impacts.

5.2 Monitoring Well Installation - February 2016

On February 11 and 12, 2016, Talon personnel oversaw Drilling Engineers advance four monitoring wells (MW-5 through MW-8). Monitoring well MW-6 was drilled to approximately 45 feet below ground surface (bgs) and the remaining wells were drilled to approximately 40 feet bgs. The depths of the monitoring wells were determined in the field based on observed lithology, hydrocarbon odors, and PID values; the goal was to drill until no further odors or elevated PIDs were observed and a confining lithologic layer was observed. Boring logs detailing observed lithology, and PID values are included in Attachment 3.

Four to seven soil samples were collected from each of the borings during drilling efforts from depths ranging from 10-15 ft bgs to 43-45 ft bgs. Sample locations were determined based on elevated PID values. Additionally, soil samples were collected from the bottom of each boring and above the assumed groundwater interface to provide additional vertical delineation of any

impacts. The collected soil samples were submitted to Summit Scientific (Summit) in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX), gasoline range organics (GRO), and naphthalene via method SW8260B and diesel range organics (DRO) via method SW8015. The remaining soils were stockpiled on-site on a plastic liner pending laboratory analytical results.

All four monitoring wells were constructed using 4-inch diameter Schedule 40 PVC casing and 10-slot screen. Each well was completed with 10/20 silica sand pack to two (2) ft above the top of the screen interval, sealed with bentonite chips to near-surface, and included an above-ground well mount in a concrete pad. Well completion details are included in Attachment 3.

All four monitoring wells were developed on February 16, 2016, by purging all water in wells MW-5 through MW-8 until the monitoring wells became dry. Three casing volumes were purged from monitoring wells MW-1 through MW-4 as part of routine groundwater monitoring. On February 17, 2016, Talon personnel collected groundwater samples from MW-1, MW-2, MW-4, and MW-8. The collected groundwater samples were submitted to Summit Scientific (Summit) laboratory in Golden, Colorado for analysis of BTEX via method SW8260. The remaining wells were not sampled due to the presence of PSH greater than 0.1 inches thick. Depth to water and depth to PSH values are summarized in Table 4. Purge water generated during development and sampling was placed in 55-gallon drums within the tank battery berm for secondary containment pending off-site disposal.

5.2.1 Discussion of Results

Table 2 in Attachment 2 summarizes the soil sample laboratory analytical results, and Table 3 summarizes the groundwater laboratory analytical results. Table 1 summarizes the well completion and survey information, and Table 4 includes well gauging data. A copy of the laboratory reports and chain of custody documentation is included in Attachment 4.

The soil analytical result for TPH as GRO and DRO in monitoring well MW-6 at 30-35 ft bgs (1,200 mg/kg) is above the COGCC Table 910-1 concentration level. All remaining soil analytical results were below COGCC Table 910-1 concentration levels or laboratory detection limits (Figure 2b).

The analytical results of the groundwater samples were above COGCC Table 910-1 concentration levels for benzene, toluene, and ethylbenzene in all four sampled monitoring wells (Table 3). Groundwater analytical results for benzene ranged from 12 mg/L in MW-8 to 16 mg/L in MW-2. Analytical results for toluene ranged from 13 mg/L in MW-1 and MW-8 to 15 mg/L in MW-4. Analytical results for ethylbenzene ranged from 0.91 mg/L in MW-4 to 1.4 mg/L in MW-2. Analytical results for total xylenes were below COGCC Table 910-1 concentration levels in MW-1, MW-2, MW-4, and MW-8.

5.3 Monitoring Well Installation - March 2016

Monitoring well installation activities performed in February 2016 determined that the horizontal extent of impacts had not yet been fully delineated. Therefore, additional monitoring wells were installed.

On March 7 through March 16, 2016, Talon personnel oversaw Drilling Engineers as they advanced 12 monitoring wells (MW-9 through MW-20). Well locations were determined by drilling five wells approximately 200 feet away from the existing wells; then, based on observations of these borings, determining locations for the remaining seven wells.

The monitoring wells were drilled to 35-45 feet bgs. The depths of the monitoring wells were determined in the field based on observed lithology and PID values. Boring logs detailing observed lithology, and PID values are included in Attachment 3.

Soil samples were collected from each of the borings during drilling efforts based on elevated PID values. Additionally, soil samples were collected from the bottom of each boring and above the assumed groundwater interface to provide additional vertical delineation of any impacts. The collected soil samples were submitted to Summit in Golden, Colorado for analysis of BTEX, GRO, and naphthalene via method SW8260B and DRO via method SW8015. A copy of the laboratory reports and chain of custody documentation is included in Attachment 4.

All twelve monitoring wells were constructed using 4-inch diameter Schedule 40 PVC casing and 10-slot screen. Each well was completed with 10/20 silica sand pack to 2 feet above the top of the screen interval, sealed with bentonite chips to near-surface, and included an above-ground well mount in a concrete pad. Well completion details are included in Attachment 3. The drill cuttings were stockpiled on-site on a plastic liner pending laboratory analytical results.

The 12 monitoring wells were gauged for depth to water and depth to PSH on March 21, 2016 (Table 4). The wells were then developed on March 21, 2016, by purging all water until the monitoring wells became dry. Monitoring wells MW-10, MW-12, and MW-19 were not purged because they were dry. On March 22, 2016, Talon personnel gauged all 20 on-site wells (Table 4). Groundwater samples were collected from MW-9, MW-11, MW-13 through MW-16 and MW-18. Monitoring wells MW-10, MW-12, and MW-19 remained dry and were not sampled. Monitoring wells MW-17 and MW-20 were not sampled due to the presence of PSH greater than 0.1 inches thick. The collected groundwater samples were submitted to Summit for analysis of BTEX via method SW8260. Purge water generated during development and sampling was placed in 55-gallon drums within the tank battery berm for secondary containment pending off-site disposal.

5.3.1 Discussion of Results

All laboratory analytical results for soil samples collected from monitoring wells MW-9 through MW-20 were below COGCC Table 910-1 concentration levels or laboratory detection limits (Table 2, Figure 2b).

Groundwater laboratory analytical results (Table 3) for benzene were above COGCC Table 910-1 concentrations in monitoring wells MW-14 (2.5 mg/L), MW-15 (4.3 mg/L), MW-16 (14 mg/L), and MW-18 (0.084 mg/L). Analytical results for toluene were above COGCC Table 910-1 concentrations in monitoring wells MW-14 (2.3 mg/L), MW-15 (6.4 mg/L), and MW-16 (16 mg/L). All remaining analytical results from the sampled wells were below COGCC Table 910-1 concentration levels or laboratory detection limits. A copy of the laboratory reports and chain of custody documentation is included in Attachment 4.

Talon gauging data from March 22, 2016, reveals the presence PSH in monitoring wells MW-3, MW-5, MW-6, MW-7, MW-16, MW-17, and MW-20 ranging from 0.02 ft to 5.98 ft.

5.3.2 Site Lithology

General lithology observed at the site during well installation activities consists of a top layer of very fine silty clay which is typically underlain by a gravelly sand layer. Beneath the gravelly sand is a sandy silt layer which varies in thickness across the site from a few feet thick to more than 30 feet thick. This layer ranges from slightly compact to very hard and cemented (siltstone) throughout the site and tends to change color from a yellowish brown to an olive gray with depth in the stratigraphic column. Generally, the photoionization detector (PID) readings are the highest in this olive gray sandy silt to siltstone layer. The sandy silt to siltstone layer is underlain by a very dense siltstone or clay layer which acts as a confining layer prohibiting downward migration of any fluids at the site. Figures 8 through 11 show cross sections detailing observed PID values and inferred lithologic layers across the Site.

6 Groundwater Monitoring

6.1 Groundwater Sampling

The 20 monitoring wells were gauged for depth to water and depth to PSH on June 20, 2016 (Table 4). Wells with less than 0.1 inches of PSH were purged until the wells became dry. On June 21, 2016, Talon personnel collected groundwater samples from these wells. Monitoring wells MW3, MW-5, MW-6, MW-7, MW-17, and MW-20 were not sampled due to the presence of PSH. Figure 6a shows groundwater elevation contours and the hydraulic gradient based on wells with no measurable PSH. This hydraulic gradient has been calculated to be approximately 0.016 ft/foot to the northeast between monitoring wells MW-8 and MW-11. Figure 6b shows groundwater elevation contours and the hydraulic gradient based on potentiometric surface elevations, which have been corrected to account for the presence of PSH. This hydraulic gradient has been calculated to be approximately 0.021 ft/foot to the northeast between monitoring wells MW-8 and MW-18.

The collected groundwater samples were submitted to Summit for analysis of BTEX via method SW8260. Purge water generated during development and sampling was placed in 55-gallon drums within the tank battery berm for secondary containment pending off-site disposal.

Table 1 in Attachment 2 summarizes the well completion and survey information. Groundwater analytical results are summarized in Table 3 and shown on Figure 3.

Groundwater laboratory analytical results for benzene were above COGCC Table 910-concentrations in monitoring wells MW-1 (17 mg/L), MW-2 (18 mg/L), MW-4 (12 mg/L), MW-8 (17 mg/L), MW-14 (2.4 mg/L), MW-15 (6.5 mg/L), MW-16 (16 mg/L), and MW-18 (0.23 mg/L). Analytical results for toluene were above COGCC Table 910-1 concentrations in monitoring wells MW-1 (16 mg/L), MW-2 (16 mg/L), MW-4 (16 mg/L), MW-8 (17 mg/L), MW-14 (2.2 mg/L), MW-15 (5.2 mg/L), and MW-16 (16 mg/L). Analytical results for ethylbenzene were above COGCC Table 910-1 concentrations in monitoring wells MW-1 (1.1 mg/L), MW-2 (1 mg/L), MW-4 (0.99 mg/L), MW-8 (1.1 mg/), and MW-16 (1.1 mg/L). All

remaining analytical results from the sampled wells were below COGCC Table 910-1 concentration levels or laboratory detection limits. A copy of the laboratory reports and chain of custody documentation is included in Attachment 3. Figure 4 shows the isoconcentration contours of dissolved-phase benzene analytical results.

7 Product Removal and Gauging

Talon gauging data from June 20, 2016, reveals the presence PSH in monitoring wells MW-1, MW-2, MW3, MW-5, MW-6, MW-7, MW-17, and MW-20 ranging from 0.02 ft to 7.01 ft (Table 4). Figure 5 shows contours of PSH thickness.

Product recovery is performed twice per week via hand-bailing on all monitoring wells exhibiting PSH. All waste produced by hand-bailing is stored on site in poly containers within secondary containment pending offsite disposal. Table 5 summarizes PSH removal and recovery.

Product recovery efforts were suspended for two weeks prior to groundwater sampling activities to allow the fluid levels in each well to reach static equilibrium. Following the groundwater sampling event, product recovery efforts resumed.

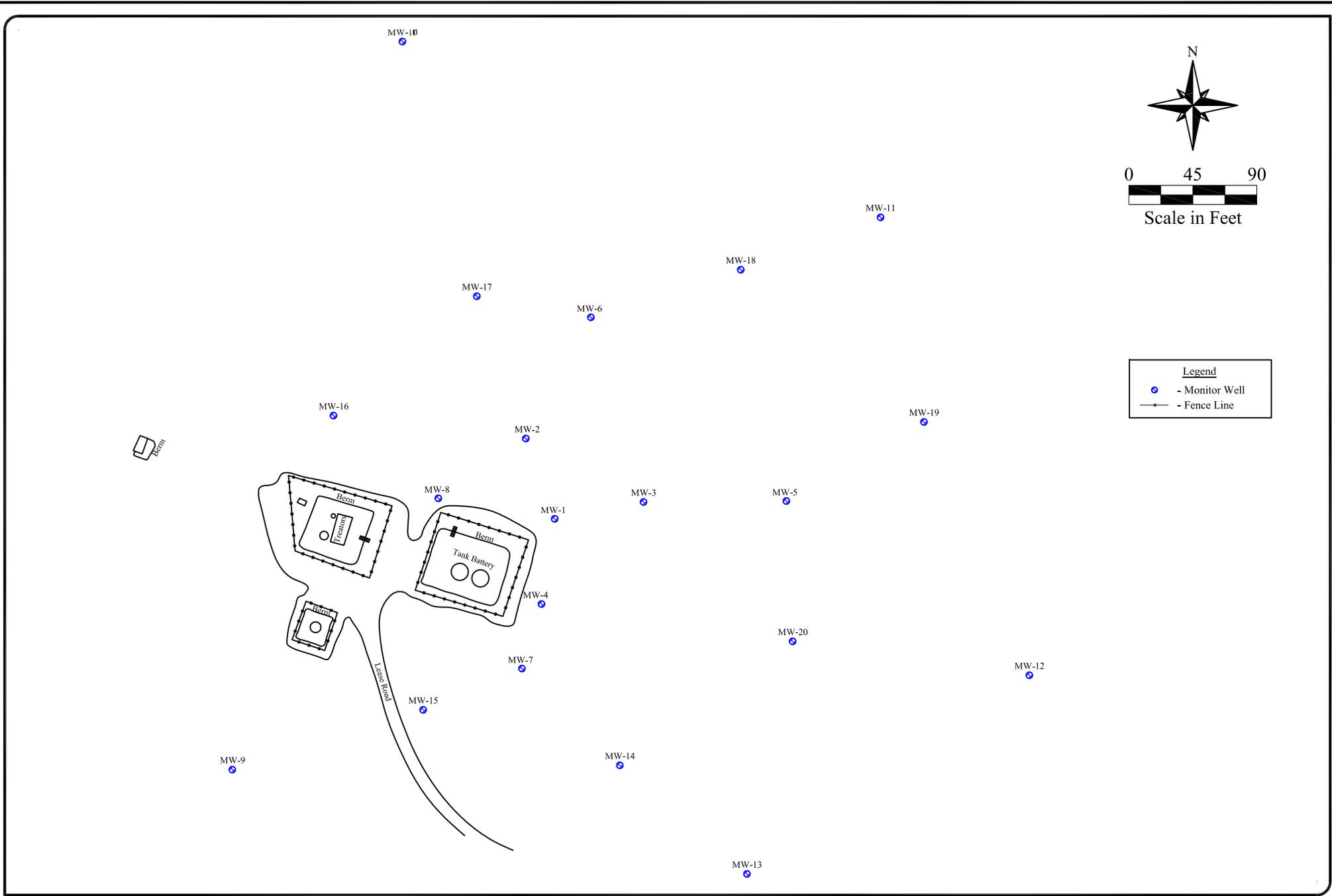
8 Conclusions & Recommendations

The objective of this report was to document the nature and extent of the impacts at the Nelson C1 location. Talon has installed 20 total monitoring wells to assess soil or groundwater impacts from this release. The assessment activities reported herein have defined soil impacted areas. The benzene analytical results in MW-1 at 20-25 ft bgs (1.2 mg/kg), 25-30 ft bgs (1.2 mg/kg), 30-35 ft bgs (1.5 mg/kg), MW-2 at 25 ft bgs (0.24 mg/kg) and the TPH analytical result in MW-6 at 30-35 ft bgs (1,200 mg/kg) are above COGCC Table 910-1 concentration levels.

The known areas of groundwater impacts surround the tank battery area. The groundwater impacted area is delineated to the south, north, and east. The elevated analytical results of benzene and toluene in MW-16 demonstrate that further delineation is needed to the west.

Talon recommends installing additional monitoring wells to the west of MW-16 to provide further delineation to this area, and to install an active product removal system such as well skimmers in the wells exhibiting PSH.

Attachment 1
Figures

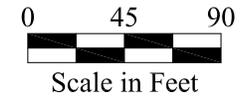


Date: 07/12/2016

Scale: 1" = 90'

Drawn By: TJS

Nelson C-1
Whiting Oil & Gas
Weld County, Colorado
Figure 1 - Site Plan



| MW-1 (mg/kg) | 20-25' | 25-30' | 30-35' | 35-40' |
|---------------|--------|--------|--------|--------|
| GRO | 19 | 37 | 4.4 | ND |
| DRO | 32 | 95 | ND | ND |
| TPH | 51 | 132 | ND | ND |
| Benzene | 1.2 | 1.2 | 1.5 | ND |
| Toluene | 2.6 | 6.6 | 1.8 | ND |
| Ethyl-Benzene | 0.65 | 1.2 | 0.23 | ND |
| Xylenes | 3.8 | 1.8 | 1.3 | ND |
| Naphthalene | 0.1 | 0.23 | ND | ND |

| MW-2 (mg/kg) | 20' | 25' | 30' |
|---------------|-------|------|-----|
| GRO | ND | 48 | 3 |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | 0.011 | 0.24 | ND |
| Toluene | 0.012 | 0.33 | ND |
| Ethyl-Benzene | ND | 0.13 | ND |
| Xylenes | 0.01 | 0.97 | ND |

| MW-3 (mg/kg) | 25' | 30' |
|---------------|-------|-------|
| GRO | 4.6 | 3.1 |
| DRO | ND | ND |
| TPH | ND | ND |
| Benzene | 0.012 | 0.12 |
| Toluene | 0.03 | 0.23 |
| Ethyl-Benzene | ND | 0.024 |
| Xylenes | 0.043 | 0.17 |

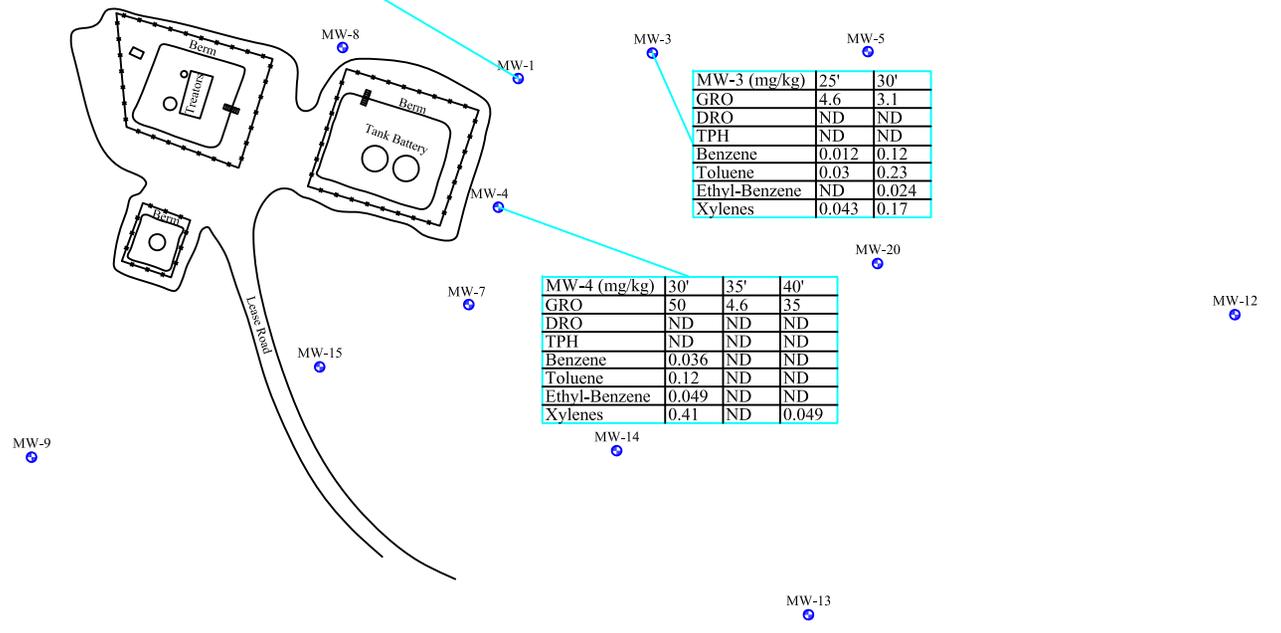
| MW-4 (mg/kg) | 30' | 35' | 40' |
|---------------|-------|-----|-------|
| GRO | 50 | 4.6 | 35 |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | 0.036 | ND | ND |
| Toluene | 0.12 | ND | ND |
| Ethyl-Benzene | 0.049 | ND | ND |
| Xylenes | 0.41 | ND | 0.049 |

Legend

- - Monitor Well
- - Fence Line

COGCC Levels (mg/kg)

- TPH = 500
- B = 0.17
- T = 85
- E = 100
- X = 175
- Naphthalene = 23
- ND = Non-Detect



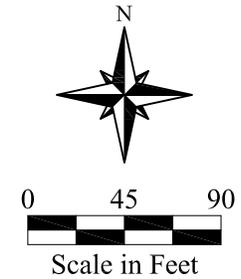
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 Scale: 1" = 90'
 Drawn By: TJS

Nelson C-1
 Whiting Oil & Gas
 Weld County, Colorado
 Figure 2a - Soil Concentration Map (08/25/2015 & 10/27/2015)

| MW-10 (mg/kg) | 15-20' | 30-35' | 35-40' |
|---------------|--------|--------|--------|
| GRO | ND | ND | ND |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | ND | ND | ND |
| Toluene | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND |
| Xylenes | ND | ND | ND |

| MW-17 (mg/kg) | 20-25' | 25-30' | 30-35' | 35-40' | 40-42' | 42-45' |
|---------------|--------|--------|--------|--------|--------|--------|
| GRO | ND | 1 | 28 | 3.4 | 12 | 0.75 |
| DRO | ND | ND | 55 | ND | ND | ND |
| TPH | ND | ND | 83 | ND | ND | ND |
| Benzene | ND | ND | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND | ND | ND |

| MW-11 (mg/kg) | 15-20' | 20-25' | 25-30' | 40-45' |
|---------------|--------|--------|--------|--------|
| GRO | ND | ND | ND | ND |
| DRO | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND |
| Benzene | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND |



| MW-16 (mg/kg) | 10-15' | 15-20' | 20-25' | 25-30' | 30-35' | 35-37.5' | 37.5-40' |
|---------------|--------|--------|--------|--------|--------|----------|----------|
| GRO | ND | ND | 8.7 | 11 | 1.1 | 6.6 | ND |
| DRO | ND | ND | ND | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND | ND | ND | ND |
| Benzene | ND | ND | 0.021 | 0.039 | ND | ND | ND |
| Toluene | ND | ND | ND | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | 0.014 | ND | ND | ND |

| MW-18 (mg/kg) | 15-20' | 20-25' | 25-30' | 40-45' |
|---------------|--------|--------|--------|--------|
| GRO | ND | ND | ND | ND |
| DRO | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND |
| Benzene | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND |

| MW-8 (mg/kg) | 10-15' | 15-20' | 20-25' | 25-30' | 30-35' | 35-37.5' | 37.5-40' |
|---------------|--------|--------|--------|--------|--------|----------|----------|
| GRO | ND | 86 | 76 | 90 | 5.2 | 15 | ND |
| DRO | ND | 86 | 100 | 110 | ND | ND | ND |
| TPH | ND | 172 | 176 | 200 | ND | ND | ND |
| Benzene | ND | ND | ND | 0.0033 | ND | 0.0032 | ND |
| Toluene | ND | ND | 0.031 | 0.011 | ND | ND | ND |
| Ethyl-Benzene | ND | 0.073 | 0.019 | 0.013 | ND | ND | ND |
| Xylenes | ND | 0.81 | 0.18 | 0.17 | ND | ND | ND |

| MW-6 (mg/kg) | 15-20' | 20-25' | 25-30' | 30-35' | 35-40' | 40-43' | 43-45' |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| GRO | ND | ND | 0.82 | 870 | ND | ND | ND |
| DRO | ND | ND | ND | 330 | ND | ND | ND |
| TPH | ND | ND | ND | 1,200 | ND | ND | ND |
| Benzene | ND |
| Toluene | ND | ND | ND | 0.11 | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | 0.68 | ND | ND | ND |
| Xylenes | ND | ND | ND | 4.3 | ND | ND | ND |

| MW-5 (mg/kg) | 20-25' | 25-30' | 30-35' | 38-40' |
|---------------|--------|--------|--------|--------|
| GRO | 0.98 | 250 | ND | ND |
| DRO | ND | 150 | ND | ND |
| TPH | ND | 400 | ND | ND |
| Benzene | ND | 0.004 | ND | ND |
| Toluene | ND | 0.054 | ND | ND |
| Ethyl-Benzene | ND | 0.12 | ND | ND |
| Xylenes | ND | 1.2 | ND | ND |

| MW-19 (mg/kg) | 15-20' | 20-25' | 35-40' |
|---------------|--------|--------|--------|
| GRO | ND | ND | ND |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | ND | ND | ND |
| Toluene | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND |
| Xylenes | ND | ND | ND |

Legend

- - Monitor Well
- - Fence Line

COGCC Levels (mg/kg)

- TPH = 500
- B = 0.17
- E = 100
- X = 175
- Naphthalene = 23
- ND = Non-Detect

| MW-15 (mg/kg) | 15-20' | 20-25' | 25-30' | 30-34.5' | 34.5-35' |
|---------------|--------|--------|--------|----------|----------|
| GRO | ND | ND | ND | 0.84 | ND |
| DRO | ND | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND | ND |
| Benzene | ND | ND | ND | 0.0029 | ND |
| Toluene | ND | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND | ND |

| MW-20 (mg/kg) | 15-20' | 30-35' | 35-37.5' | 37.5-40' |
|---------------|--------|--------|----------|----------|
| GRO | ND | 3.9 | 17 | ND |
| DRO | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND |
| Benzene | ND | ND | 0.0049 | ND |
| Toluene | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND |

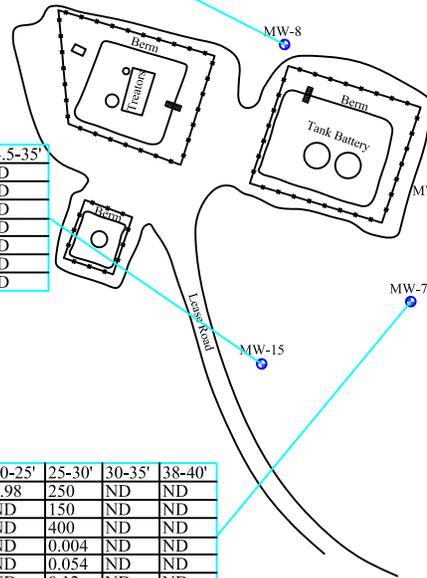
| MW-12 (mg/kg) | 15-20' | 20-25' | 35-40' |
|---------------|--------|--------|--------|
| GRO | ND | ND | ND |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | ND | ND | ND |
| Toluene | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND |
| Xylenes | ND | ND | ND |

| MW-9 (mg/kg) | 10-15' | 15-20' | 30-35' |
|---------------|--------|--------|--------|
| GRO | ND | ND | ND |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | ND | ND | ND |
| Toluene | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND |
| Xylenes | ND | ND | ND |

| MW-14 (mg/kg) | 10-15' | 20-25' | 30-35' | 35-40' |
|---------------|--------|--------|--------|--------|
| GRO | ND | ND | ND | ND |
| DRO | ND | ND | ND | ND |
| TPH | ND | ND | ND | ND |
| Benzene | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND | ND |
| Xylenes | ND | ND | ND | ND |

| MW-13 (mg/kg) | 10-15' | 15-20' | 35-40' |
|---------------|--------|--------|--------|
| GRO | ND | ND | ND |
| DRO | ND | ND | ND |
| TPH | ND | ND | ND |
| Benzene | ND | ND | ND |
| Toluene | ND | ND | ND |
| Ethyl-Benzene | ND | ND | ND |
| Xylenes | ND | ND | ND |

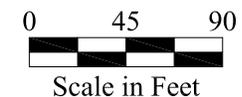
| MW-7 (mg/kg) | 10-15' | 20-25' | 25-30' | 30-35' | 38-40' |
|---------------|--------|--------|--------|--------|--------|
| GRO | ND | 0.98 | 250 | ND | ND |
| DRO | ND | ND | 150 | ND | ND |
| TPH | ND | ND | 400 | ND | ND |
| Benzene | ND | ND | 0.004 | ND | ND |
| Toluene | ND | ND | 0.054 | ND | ND |
| Ethyl-Benzene | ND | ND | 0.12 | ND | ND |
| Xylenes | ND | ND | 1.2 | ND | ND |



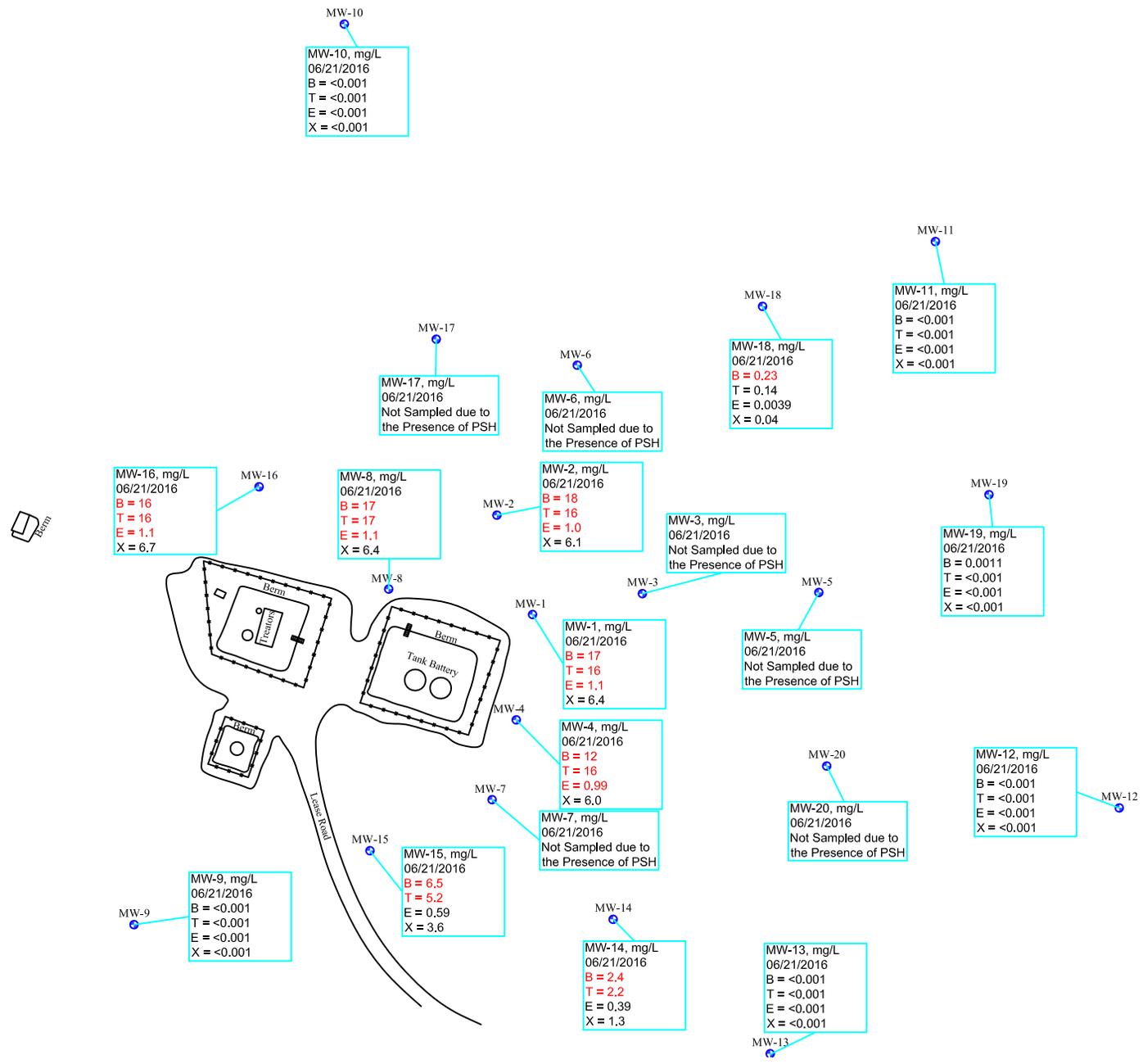
Date: 07/12/2016
 Scale: 1" = 90'
 Drawn By: TJS

Nelson C-1
 Whiting Oil & Gas
 Weld County, Colorado

Figure 2b - Soil Concentration Map (02/11-12/2016 & 03/07-16/2016)

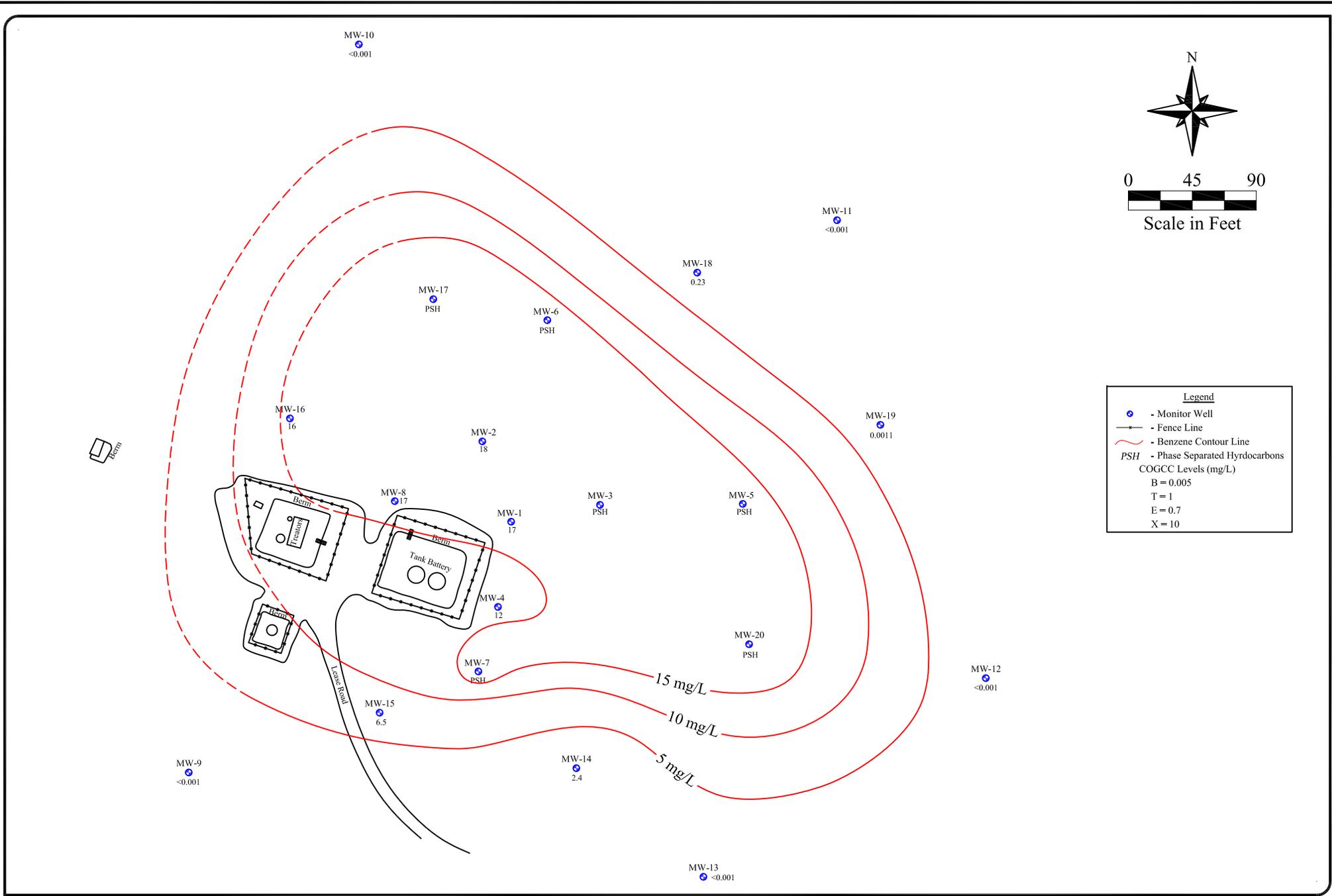


| Legend | |
|---------------------|----------------|
| | - Monitor Well |
| | - Fence Line |
| COGCC Levels (mg/L) | |
| | B = 0.005 |
| | T = 1 |
| | E = 0.7 |
| | X = 10 |



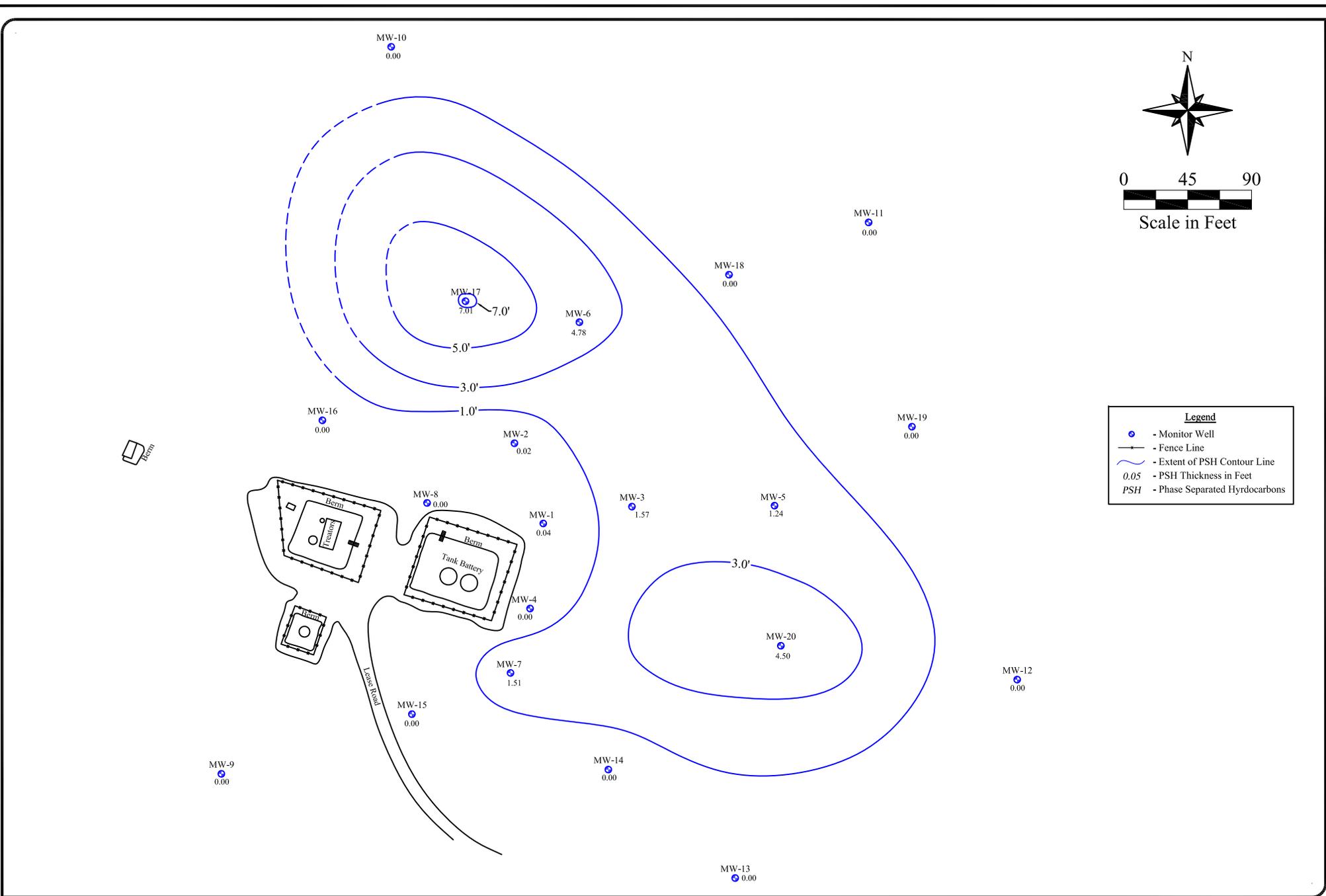
Date: 07/12/2016
Scale: 1" = 90'
Drawn By: TJS

Nelson C-1
Whiting Oil & Gas
Weld County, Colorado
Figure 3 - Groundwater Concentration Map (06/21/2016)



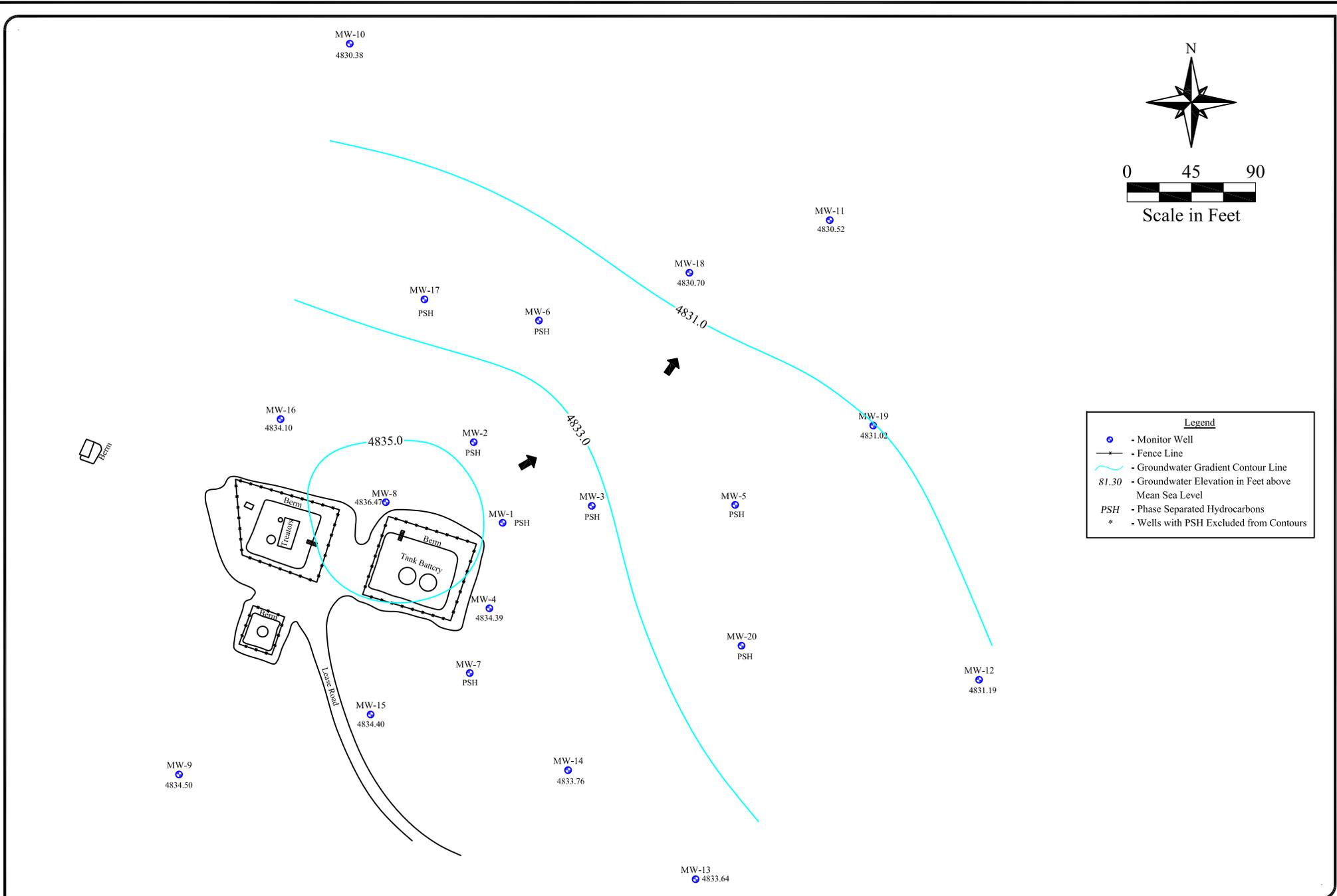
Date: 07/12/2016
 Scale: 1" = 90'
 Drawn By: TJS

Nelson C-1
 Whiting Oil & Gas
 Weld County, Colorado
 Figure 4 - Benzene Isoconcentration Map (06/21/2016)



Date: 07/12/2016
 Scale: 1" = 90'
 Drawn By: TJS

Nelson C-1
 Whiting Oil & Gas
 Weld County, Colorado
 Figure 5 - PSH Isoconcentration Map (06/20/2016)



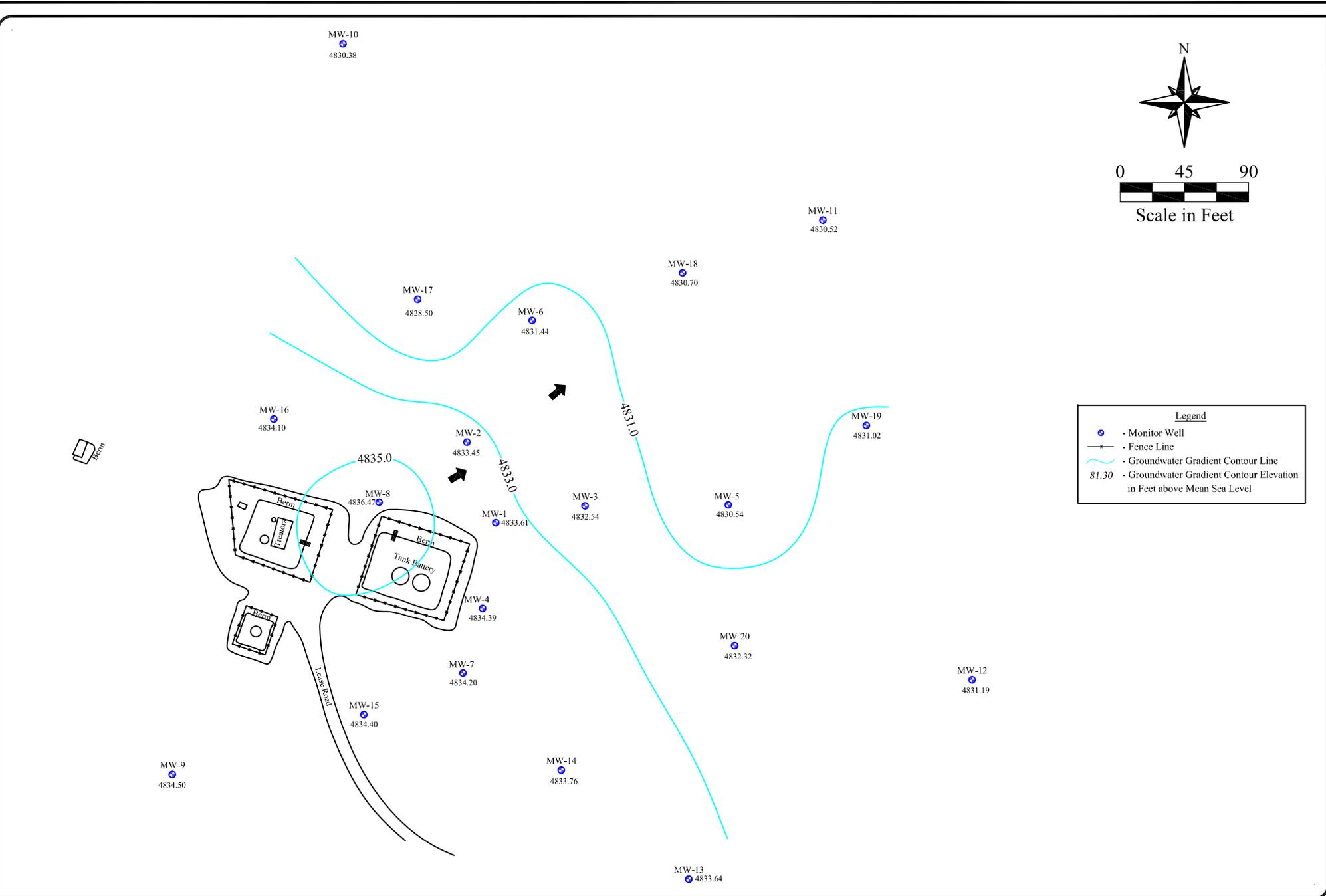
Date: 07/12/2016

Scale: 1" = 90'

Drawn By: TJS

Nelson C-1
Whiting Oil & Gas
Weld County, Colorado

Figure 6a - Groundwater Gradient Map - Excluding Wells with PSH (06/20/2016)



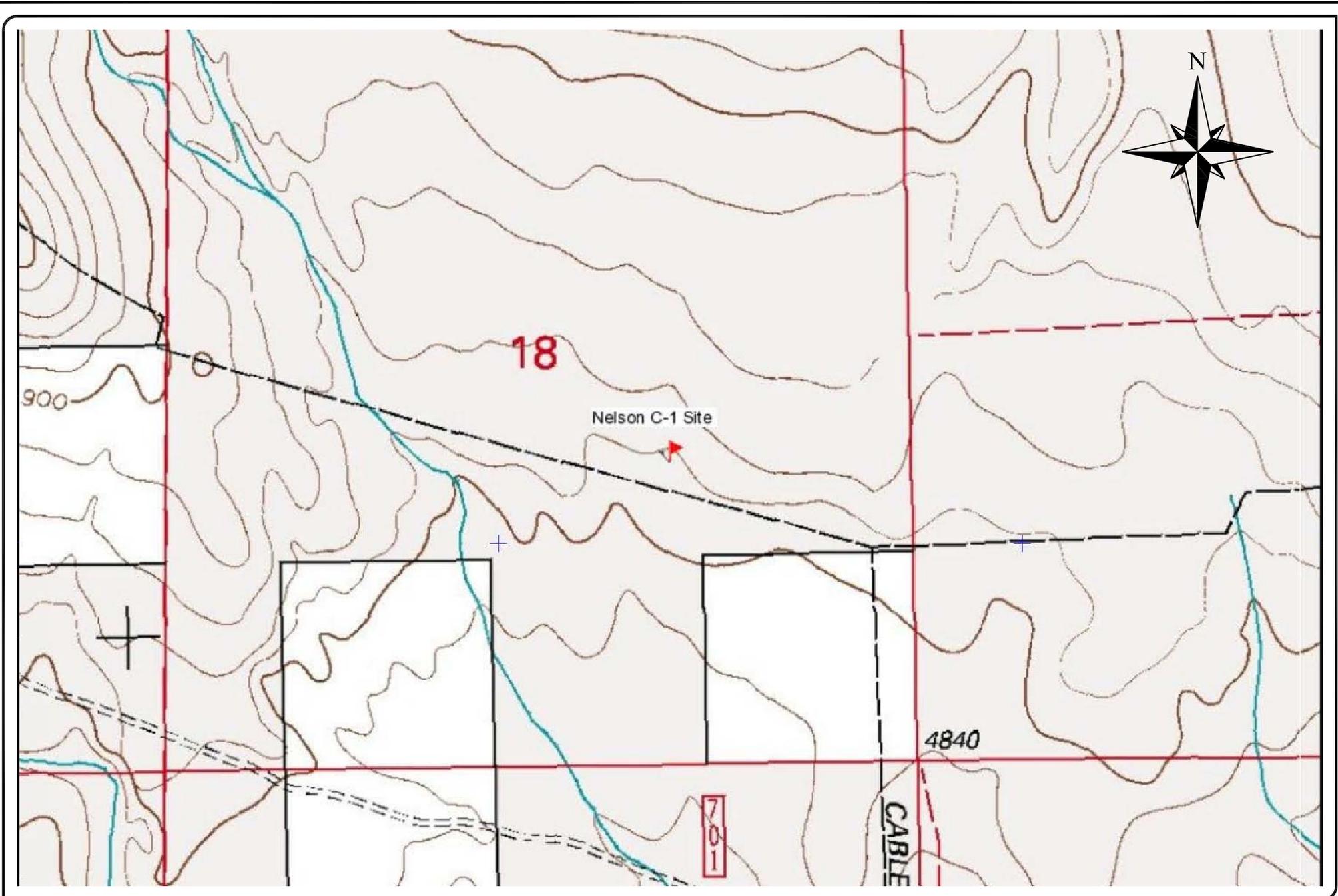
Date: 07/12/2016

Scale: 1" = 90'

Drawn By: TJS

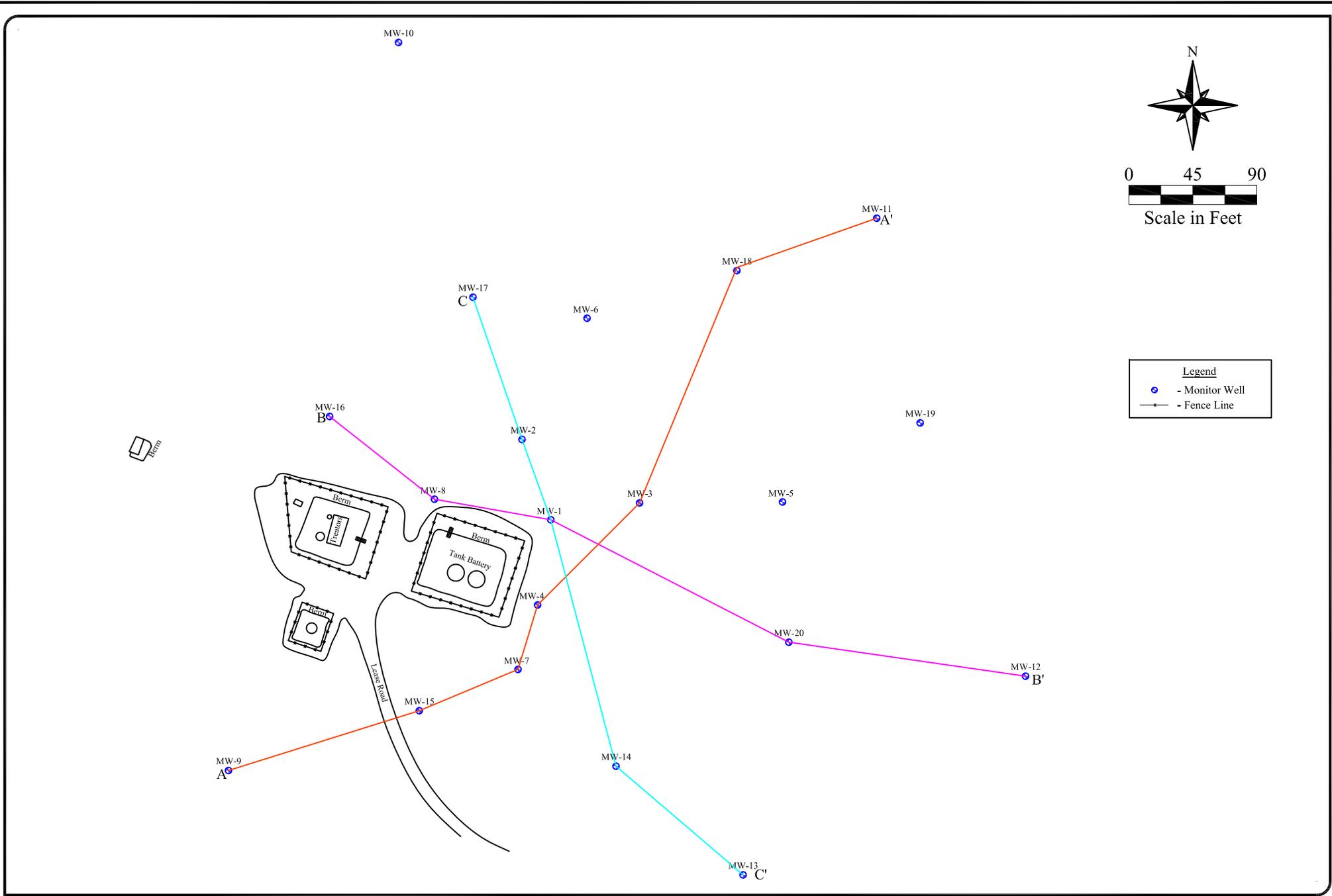
Nelson C-1
Whiting Oil & Gas
Weld County, Colorado

Figure 6b - Groundwater Gradient Map - All Wells (06/20/2016)



Date: 07/12/2016
Scale: 1" = 10,000'
Drawn By: TJS

Nelson C-1
Whiting Oil & Gas
Weld County, Colorado
Figure 7 - Topographic Map

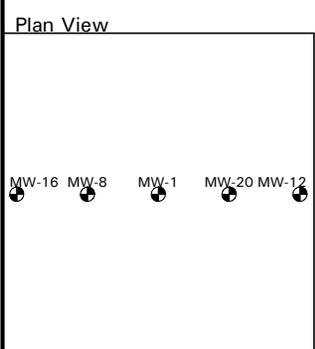
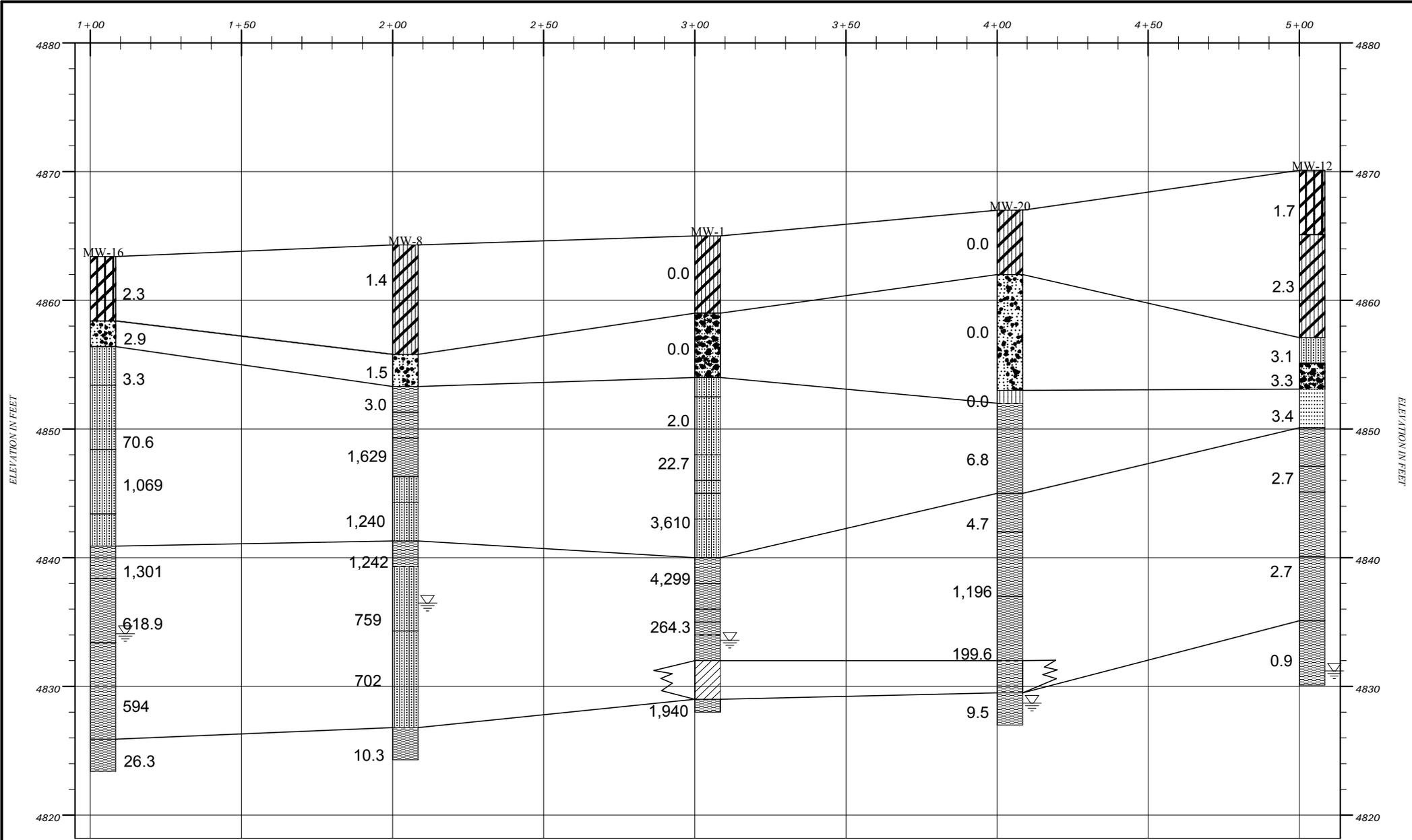


Date: 07/12/2016

Scale: 1" = 90'

Drawn By: TJS

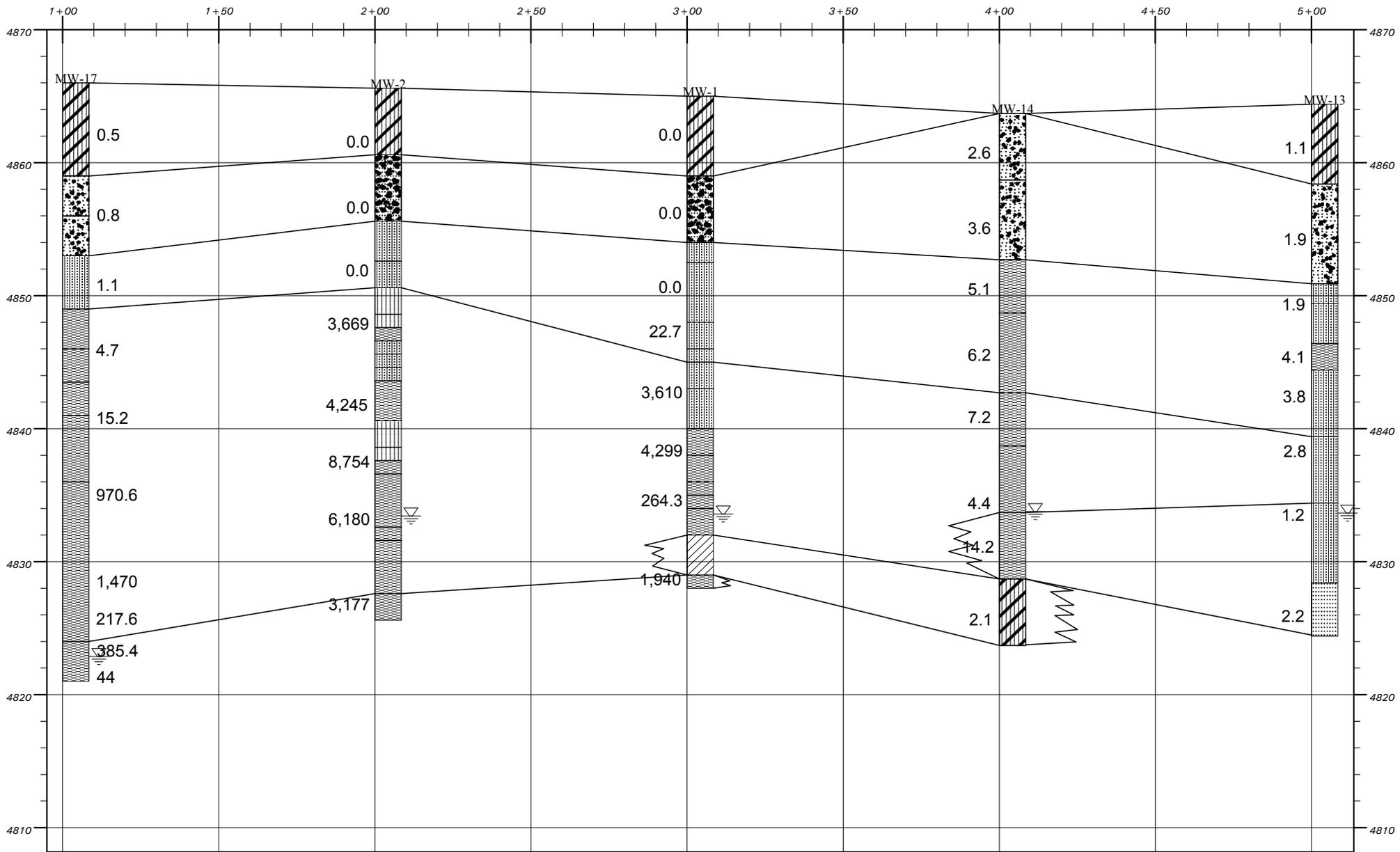
Nelson C-1
 Whiting Oil & Gas
 Weld County, Colorado
 Figure 8 - Cross Section Locations



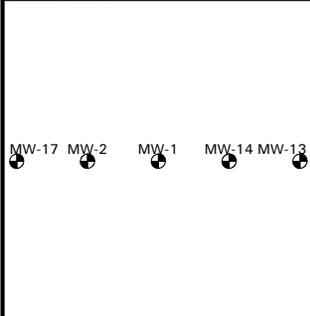
- Strata symbols**
- Inorganic silts and clays
 - Poorly graded gravel and sand
 - Silty sand
 - Siltstone
 - Silty low plasticity clay
 - Well graded gravel and sand
 - Low plasticity clay
 - Silt
 - Well graded sand

TALON/LPE
GENERALIZED SOIL PROFILE B-B'

| | | |
|-------------------------------------|---|--------------------------------|
| HORIZONTAL SCALE: 1"=(proportional) | DRAWN BY/APPROVED BY TIM SELLMYER | DATE DRAWN 8/10/2016 |
| Whiting Oil | | |
| PROJECT NO. 701530.020.04 | | FIGURE 10 |



Plan View



Strata symbols

- Silty low plasticity clay
- Poorly graded gravel and sand
- Silty sand
- Siltstone
- Well graded gravel and sand
- Silt
- Low plasticity clay
- Well graded sand

| | | |
|--------------------------------------|----------------------|------------------|
| TALON/LPE | | |
| GENERALIZED SOIL PROFILE C-C' | | |
| HORIZONTAL SCALE: 1"=(proportional) | DRAWN BY/APPROVED BY | DATE DRAWN |
| | TIM SELLMYER | 8/10/2016 |
| Whiting Oil | | |
| PROJECT NO. 701530.020.04 | | FIGURE 11 |

**Attachment 2
Tables**



Table 1 - Well Information

**Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado**

| Well ID | Latitude | Longitude | Ground Surface Elevation (ft amsl) | TOC Elevation (ft amsl) | Screen Interval (ft bgs) | Total Depth (ft) |
|----------------|-----------------|------------------|---|--------------------------------|---------------------------------|-------------------------|
| MW-1 | 40.836400 | -103.904672 | 4861.9 | 4865.0 | 19.8-39.8 | 40.38 |
| MW-2 | 40.836550 | -103.904761 | 4862.2 | 4865.6 | 19-39 | 39.50 |
| MW-3 | 40.836453 | -103.904461 | 4863.2 | 4866.6 | 19.5-39.5 | 40.00 |
| MW-4 | 40.836239 | -103.904742 | 4860.6 | 4863.7 | 19.5-39.5 | 40.00 |
| MW-5 | 40.836419 | -103.904069 | 4865.0 | 4868.0 | 20-40 | 40.00 |
| MW-6 | 40.836722 | -103.904467 | 4863.8 | 4867.1 | 20-45 | 45.00 |
| MW-7 | 40.836089 | -103.904822 | 4859.3 | 4862.6 | 20-40 | 40.00 |
| MW-8 | 40.836469 | -103.904956 | 4860.9 | 4864.3 | 20-40 | 40.00 |
| MW-9 | 40.835925 | -103.905525 | 4857.9 | 4860.9 | 17-32 | 35.00 |
| MW-10 | 40.837317 | -103.905089 | 4864.5 | 4867.7 | 19-39 | 39.00 |
| MW-11 | 40.836978 | -103.903889 | 4868.6 | 4871.6 | 19-44 | 44.00 |
| MW-12 | 40.836108 | -103.903511 | 4867.0 | 4870.1 | 18-38 | 38.00 |
| MW-13 | 40.835728 | -103.904222 | 4861.5 | 4864.4 | 20-40 | 40.00 |
| MW-14 | 40.835936 | -103.904542 | 4860.4 | 4863.7 | 20-40 | 40.00 |
| MW-15 | 40.836042 | -103.905064 | 4858.6 | 4861.4 | 19-34 | 34.00 |
| MW-16 | 40.836608 | -103.905264 | 4860.1 | 4863.4 | 19-39 | 39.00 |
| MW-17 | 40.836836 | -103.904900 | 4862.8 | 4866.0 | 19-44 | 44.00 |
| MW-18 | 40.836881 | -103.904236 | 4865.8 | 4868.6 | 19-44 | 44.00 |
| MW-19 | 40.836589 | -103.903778 | 4867.3 | 4870.2 | 19-39 | 39.00 |
| MW-20 | 40.836172 | -103.904103 | 4864.1 | 4867.0 | 19-39 | 39.00 |

TOC - Top of Casing
ft bgs - Feet Below Ground Surface
ft amsl - Feet Above Mean Sea Level



Table 2 - Soil Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Sample ID | Lab ID | Date Sampled | Concentration (mg/kg) | | | | | | | |
|---|------------|--------------|-----------------------|-----------|---------------|------------|-------------|-----------|-----------|------------|
| | | | Benzene | Toluene | Ethyl-Benzene | Xylenes | Naphthalene | GRO | DRO | TPH |
| COGCC Table 910-1 Concentration Levels | | | 0.17 | 85 | 100 | 175 | 23 | NA | NA | 500 |
| MW-1 @ 20-25' | 1508471-4 | 08/25/15 | 1.2 | 2.6 | 0.65 | 3.8 | 0.1 | 19 | 32 | 51 |
| MW-1 @ 25-30' | 1508471-5 | 08/25/15 | 1.2 | 6.6 | 1.2 | 1.8 | 0.23 | 37 | 95 | 132 |
| MW-1 @ 30-35' | 1508471-6 | 08/25/15 | 1.5 | 1.8 | 0.23 | 1.3 | <0.076 | 4.4 | <7.6 | <7.6 |
| MW-1 @ 35-40' | 1508471-7 | 08/25/15 | <0.0059 | <0.0059 | <0.0059 | <0.005 | <0.0059 | <0.35 | <6 | <6 |
| MW-2 @ 20' | 1510247-01 | 10/27/15 | 0.011 | 0.012 | <0.005 | 0.01 | NA | <0.50 | <50 | <50 |
| MW-2 @ 25' | 1510247-02 | 10/27/15 | 0.24 | 0.33 | 0.13 | 0.97 | NA | 48 | <50 | <50 |
| MW-2 @ 30' | 1510247-03 | 10/27/15 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | 3 | <50 | <50 |
| MW-3 @ 25' | 1510247-04 | 10/27/15 | 0.012 | 0.03 | <0.0050 | 0.043 | NA | 4.6 | <50 | <50 |
| MW-3 @ 30' | 1510247-05 | 10/27/15 | 0.12 | 0.23 | 0.024 | 0.17 | NA | 3.1 | <50 | <50 |
| MW-4 @ 30' | 1510247-06 | 10/28/15 | 0.036 | 0.12 | 0.049 | 0.41 | NA | 50 | <50 | 50 |
| MW-4 @ 35' | 1510247-07 | 10/28/15 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | 4.6 | <50 | <50 |
| MW-4 @ 40' | 1510247-08 | 10/28/15 | <0.0020 | <0.0050 | <0.0050 | 0.049 | NA | 35 | <50 | <50 |
| MW-5 @ 15-20' | 1602102-01 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-5 @ 30-35' | 1602102-02 | 02/11/16 | 0.0033 | 0.013 | <0.0050 | 0.028 | NA | 0.77 | <50 | <50 |
| MW-5 @ 35-39.5' | 1602102-03 | 02/11/16 | 0.014 | 0.022 | 0.0073 | 0.081 | NA | 13 | <50 | <50 |
| MW-5 @ 39.5-40' | 1602102-04 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-6 @ 15-20' | 1602102-05 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-6 @ 20-25' | 1602102-06 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-6 @ 25-30' | 1602102-07 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | 0.82 | <50 | <50 |
| MW-6 @ 30-35' | 1602102-08 | 02/11/16 | <0.0020 | 0.11 | 0.68 | 4.3 | NA | 870 | 330 | 1200 |
| MW-6 @ 35-40' | 1602102-09 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-6 @ 40-43' | 1602102-10 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-6 @ 43-45' | 1602102-11 | 02/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-7 @ 15-20' | 1602102-12 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-7 @ 20-25' | 1602102-13 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | 0.98 | <50 | <50 |
| MW-7 @ 25-30' | 1602102-14 | 02/12/16 | 0.004 | 0.054 | 0.12 | 1.2 | NA | 250 | 150 | 400 |
| MW-7 @ 30-35' | 1602102-15 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-7 @ 38-40' | 1602102-16 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-8 @ 10-15' | 1602102-17 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |
| MW-8 @ 15-20' | 1602102-18 | 02/12/16 | <0.0020 | <0.0050 | 0.073 | 0.81 | NA | 86 | 86 | 172 |
| MW-8 @ 20-25' | 1602102-19 | 02/12/16 | <0.0020 | 0.031 | 0.019 | 0.18 | NA | 76 | 100 | 176 |
| MW-8 @ 25-30' | 1602102-20 | 02/12/16 | 0.0033 | 0.011 | 0.013 | 0.17 | NA | 90 | 110 | 200 |
| MW-8 @ 30-35' | 1602102-21 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | 5.2 | <50 | <50 |
| MW-8 @ 35-37.5' | 1602102-22 | 02/12/16 | 0.0032 | <0.0050 | <0.0050 | <0.0050 | NA | 15 | <50 | <50 |
| MW-8 @ 37.5-40' | 1602102-23 | 02/12/16 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | NA | <0.50 | <50 | <50 |



Table 2 - Soil Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Sample ID | Lab ID | Date Sampled | Concentration (mg/kg) | | | | | | | |
|---|------------|--------------|-----------------------|-----------|---------------|------------|-------------|-----------|-----------|------------|
| | | | Benzene | Toluene | Ethyl-Benzene | Xylenes | Naphthalene | GRO | DRO | TPH |
| COGCC Table 910-1 Concentration Levels | | | 0.17 | 85 | 100 | 175 | 23 | NA | NA | 500 |
| MW-9 @ 10-15' | 1603086-01 | 03/07/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-9 @ 15-20' | 1603086-02 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-9 @ 30-35' | 1603086-03 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-10 @ 15-20' | 1603086-04 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-10 @ 30-35' | 1603086-05 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-10 @ 35-40' | 1603086-06 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-11 @ 15-20' | 1603086-07 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-11 @ 20-25' | 1603086-08 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-11 @ 25-30' | 1603086-09 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-11 @ 40-45' | 1603086-10 | 03/08/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-12 @ 15-20' | 1603086-11 | 03/09/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-12 @ 20-25' | 1603086-12 | 03/09/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-12 @ 35-40' | 1603086-13 | 03/09/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-13 @ 10-15' | 1603086-14 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-13 @ 15-20' | 1603086-15 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-13 @ 35-40' | 1603086-16 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-14 @ 10-15' | 1603086-17 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-14 @ 20-25' | 1603086-18 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-14 @ 30-35' | 1603086-19 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-14 @ 35-40' | 1603086-20 | 03/10/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-15 @ 15-20' | 1603093-01 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-15 @ 20-25' | 1603093-02 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-15 @ 25-30' | 1603093-03 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-15 @ 30-34.5' | 1603093-04 | 03/11/16 | 0.0029 | <0.0050 | <0.0050 | <0.010 | <0.010 | 0.84 | <50 | <50 |
| MW-15 @ 34.5-35' | 1603093-05 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-16 @ 10-15' | 1603093-06 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-16 @ 15-20' | 1603093-07 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-16 @ 20-25' | 1603093-08 | 03/11/16 | 0.021 | <0.0050 | <0.0050 | <0.010 | <0.010 | 8.7 | <50 | <50 |
| MW-16 @ 25-30' | 1603093-09 | 03/11/16 | 0.039 | <0.0050 | <0.0050 | 0.014 | <0.010 | 11 | <50 | <50 |
| MW-16 @ 30-35' | 1603093-10 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | 1.1 | <50 | <50 |
| MW-16 @ 35-37.5' | 1603093-11 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | 6.6 | <50 | <50 |
| MW-16 @ 37.5-40' | 1603093-12 | 03/11/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-17 @ 20-25' | 1603125-01 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-17 @ 25-30' | 1603125-02 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | 1 | <50 | <50 |
| MW-17 @ 30-35' | 1603125-03 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.095 | 28 | 55 | 83 |



Table 2 - Soil Analytical Data

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado

| Sample ID | Lab ID | Date Sampled | Concentration (mg/kg) | | | | | | | |
|---|------------|--------------|-----------------------|-----------|---------------|------------|-------------|-----------|-----------|------------|
| | | | Benzene | Toluene | Ethyl-Benzene | Xylenes | Naphthalene | GRO | DRO | TPH |
| COGCC Table 910-1 Concentration Levels | | | 0.17 | 85 | 100 | 175 | 23 | NA | NA | 500 |
| MW-17 @ 35-40' | 1603125-04 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | 3.4 | <50 | <50 |
| MW-17 @ 40-42' | 1603125-05 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.028 | 12 | <50 | <50 |
| MW-17 @ 42-45' | 1603125-06 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | 0.75 | <50 | <50 |
| MW-18 @ 15-20' | 1603125-07 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-18 @ 20-25' | 1603125-08 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-18 @ 25-30' | 1603125-09 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-18 @ 40-45' | 1603125-10 | 03/15/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-19 @ 15-20' | 1603125-11 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-19 @ 20-25' | 1603125-12 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-19 @ 35-40' | 1603125-13 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-20 @ 15-20' | 1603125-14 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |
| MW-20 @ 30-35' | 1603125-15 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.019 | 3.9 | <50 | <50 |
| MW-20 @ 35-37.5' | 1603125-16 | 03/16/16 | 0.0049 | <0.0050 | <0.0050 | <0.010 | 0.046 | 17 | <50 | <50 |
| MW-20 @ 37.5-40' | 1603125-17 | 03/16/16 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <0.50 | <50 | <50 |

mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)



Table 3 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Sample ID | Lab ID | Date | Concentration (mg/L) | | | |
|---|------------|----------|------------------------------------|----------|---------------|-----------|
| | | | Benzene | Toluene | Ethyl-Benzene | Xylenes |
| COGCC Table 910-1 Concentration Levels | | | 0.005 | 1 | 0.7 | 10 |
| MW-1 | 1511065-2 | 11/04/15 | 17 | 18 | 1 | 5.4 |
| | 1602138-01 | 02/17/16 | 15 | 13 | 0.99 | 5.5 |
| | 1606205-01 | 06/21/16 | 17 | 16 | 1.1 | 6.4 |
| MW-2 | 1511065-3 | 11/04/15 | 18 | 20 | 0.96 | 5 |
| | 1602138-02 | 02/17/16 | 16 | 14 | 1.4 | 8.2 |
| | 1606205-02 | 06/21/16 | 18 | 16 | 1 | 6.1 |
| MW-3 | NS | 11/04/15 | Not Sampled Due to Presence of PSH | | | |
| | NS | 02/17/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |
| MW-4 | 1511065-1 | 11/04/15 | 16 | 20 | 0.94 | 4.8 |
| | 1602138-03 | 02/17/16 | 13 | 15 | 0.91 | 5.5 |
| | 1606205-03 | 06/21/16 | 12 | 16 | 0.99 | 6 |
| MW-5 | NS | 02/17/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |
| MW-6 | NS | 02/17/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |
| MW-7 | NS | 02/17/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |
| MW-8 | 1602138-04 | 02/17/16 | 12 | 13 | 1 | 5.3 |
| | 1606205-04 | 06/21/16 | 17 | 17 | 1.1 | 6.4 |
| MW-9 | 1603161-01 | 03/22/16 | <0.001 | 0.0016 | <0.001 | 0.0039 |
| | 1606205-05 | 06/21/16 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-10 | NS | 03/22/16 | Dry - No Sample Collected | | | |
| | 1606205-06 | 06/21/16 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-11 | 1603161-02 | 03/22/16 | 0.0016 | 0.0011 | <0.001 | <0.001 |
| | 1606205-07 | 06/21/16 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-12 | NS | 03/22/16 | Dry - No Sample Collected | | | |
| | 1606205-08 | 06/21/16 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-13 | 1603161-03 | 03/22/16 | <0.001 | 0.0013 | <0.001 | <0.001 |
| | 1606205-09 | 06/21/16 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-14 | 1603161-04 | 03/22/16 | 2.5 | 2.3 | 0.48 | 1.3 |
| | 1606205-10 | 06/21/16 | 2.4 | 2.2 | 0.39 | 1.3 |
| MW-15 | 1603161-05 | 03/22/16 | 4.3 | 6.4 | 0.42 | 3.5 |
| | 1606205-11 | 06/21/16 | 6.5 | 5.2 | 0.59 | 3.6 |
| MW-16 | 1603161-06 | 03/22/16 | 14 | 16 | 0.68 | 6.1 |
| | 1606205-12 | 06/21/16 | 16 | 16 | 1.1 | 6.7 |
| MW-17 | NS | 03/22/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |
| MW-18 | 1603161-07 | 03/22/16 | 0.084 | 0.047 | 0.0026 | 0.0074 |
| | 1606205-13 | 06/21/16 | 0.23 | 0.14 | 0.0039 | 0.04 |
| MW-19 | NS | 03/22/16 | Dry - No Sample Collected | | | |
| | 1606205-14 | 06/21/16 | 0.0011 | <0.001 | <0.001 | <0.001 |
| MW-20 | NS | 03/22/16 | Not Sampled Due to Presence of PSH | | | |
| | NS | 06/21/16 | Not Sampled Due to Presence of PSH | | | |

mg/L -milligrams per liter

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

NS - Not Sampled

PSH - Phase-Separated Hydrocarbons



Table 4 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Well ID | Top of Casing Elevation (ft amsl) | Total Depth of Well (ft) | Date Gauged | Depth to Product (ft btoc) | DTW (ft btoc) | Product Thickness (ft) | Potentiometric Surface Elevation (ft) |
|-----------|-----------------------------------|--------------------------|-------------|----------------------------|---------------|------------------------|---------------------------------------|
| MW-1 | 4865.00 | 40.38 | 11/4/2015 | NA | 36.49 | 0.00 | 4828.51 |
| | | | 12/3/2015 | NA | 30.88 | 0.00 | 4834.12 |
| | | | 12/8/2015 | 30.62 | 30.63 | 0.01 | 4834.38 |
| | | | 12/22/2015 | NA | 31.46 | 0.00 | 4833.54 |
| | | | 12/30/2015 | NA | 32.03 | 0.00 | 4832.97 |
| | | | 1/13/2016 | NA | 38.05 | 0.00 | 4826.95 |
| | | | 1/21/2016 | NA | 31.08 | 0.00 | 4833.92 |
| | | | 1/27/2016 | 31.10 | 31.13 | 0.03 | 4833.89 |
| | | | 2/8/2016 | 31.24 | 31.29 | 0.05 | 4833.75 |
| | | | 2/15/2016 | 30.90 | 30.92 | 0.02 | 4834.10 |
| | | | 2/16/2016 | 30.96 | 30.99 | 0.03 | 4834.03 |
| | | | 2/17/2016 | NA | 32.27 | 0.00 | 4832.73 |
| | | | 2/19/2016 | NA | 31.04 | 0.00 | 4833.96 |
| | | | 2/24/2016 | NA | 31.19 | 0.00 | 4833.81 |
| | | | 2/29/2016 | NA | 30.95 | 0.00 | 4834.05 |
| | | | 3/8/2016 | NA | 32.67 | 0.00 | 4832.33 |
| | | | 3/15/2016 | NA | 32.95 | 0.00 | 4832.05 |
| | | | 3/22/2016 | NA | 33.02 | 0.00 | 4831.98 |
| | | | 3/29/2016 | NA | 33.04 | 0.00 | 4831.96 |
| | | | 4/5/2016 | NA | 33.22 | 0.00 | 4831.78 |
| 4/19/2016 | NA | 31.70 | 0.00 | 4833.30 | | | |
| 4/26/2016 | NA | 32.78 | 0.00 | 4832.22 | | | |
| 5/5/2016 | NA | 31.41 | 0.00 | 4833.59 | | | |
| 6/6/2016 | 31.35 | 31.36 | 0.01 | 4833.65 | | | |
| 6/20/2016 | 31.38 | 31.42 | 0.04 | 4833.61 | | | |
| MW-2 | 4865.6 | 39.50 | 11/4/2015 | 31.15 | 31.20 | 0.05 | 4834.44 |
| | | | 12/3/2015 | 31.60 | 31.62 | 0.02 | 4834.00 |
| | | | 12/8/2015 | 31.50 | 31.52 | 0.02 | 4834.10 |
| | | | 12/22/2015 | NA | 31.29 | 0.00 | 4834.31 |
| | | | 12/30/2015 | 31.93 | 31.94 | 0.01 | 4833.67 |
| | | | 1/13/2016 | NA | 31.55 | 0.00 | 4834.05 |
| | | | 1/21/2016 | NA | 31.71 | 0.00 | 4833.89 |
| | | | 1/27/2016 | NA | 31.72 | 0.00 | 4833.88 |
| | | | 2/8/2016 | 31.90 | 31.92 | 0.02 | 4833.70 |
| | | | 2/15/2016 | 31.53 | 31.58 | 0.05 | 4834.06 |
| | | | 2/16/2016 | 31.63 | 31.66 | 0.03 | 4833.96 |
| | | | 2/17/2016 | 32.31 | 32.35 | 0.04 | 4833.28 |
| | | | 2/19/2016 | 31.68 | 31.73 | 0.05 | 4833.91 |
| | | | 2/24/2016 | NA | 31.80 | 0.00 | 4833.80 |
| | | | 2/29/2016 | 31.56 | 31.63 | 0.07 | 4834.03 |
| | | | 3/8/2016 | NA | 32.25 | 0.00 | 4833.35 |
| | | | 3/15/2016 | NA | 32.37 | 0.00 | 4833.23 |
| | | | 3/22/2016 | NA | 32.21 | 0.00 | 4833.39 |
| | | | 3/29/2016 | NA | 32.21 | 0.00 | 4833.39 |
| | | | 4/5/2016 | NA | 32.42 | 0.00 | 4833.18 |
| 4/19/2016 | 32.25 | 32.27 | 0.02 | 4833.35 | | | |
| 4/26/2016 | NA | 32.36 | 0.00 | 4833.24 | | | |
| 5/5/2016 | NA | 32.12 | 0.00 | 4833.48 | | | |
| 6/6/2016 | 32.10 | 32.14 | 0.04 | 4833.49 | | | |
| 6/20/2016 | 32.15 | 32.17 | 0.02 | 4833.45 | | | |
| MW-3 | 4866.6 | 40.00 | 11/4/2015 | 35.61 | 36.52 | 0.91 | 4830.81 |
| | | | 12/3/2015 | 34.74 | 35.89 | 1.15 | 4831.63 |
| | | | 12/8/2015 | 34.77 | 35.62 | 0.85 | 4831.66 |
| | | | 12/22/2015 | 34.44 | 35.36 | 0.92 | 4831.98 |
| | | | 12/30/2015 | 35.07 | 35.93 | 0.86 | 4831.36 |
| | | | 1/13/2016 | 37.32 | 37.82 | 0.50 | 4829.18 |
| | | | 1/21/2016 | 33.70 | 34.78 | 1.08 | 4832.69 |
| | | | 1/27/2016 | 33.62 | 35.13 | 1.51 | 4832.68 |
| | | | 2/8/2016 | 33.47 | 35.88 | 2.41 | 4832.66 |
| | | | 2/15/2016 | 32.95 | 36.07 | 3.12 | 4833.04 |
| | | | 2/16/2016 | 32.98 | 36.16 | 3.18 | 4833.00 |
| | | | 2/17/2016 | 35.38 | 36.50 | 1.12 | 4831.00 |



Table 4 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Well ID | Top of Casing Elevation (ft amsl) | Total Depth of Well (ft) | Date Gauged | Depth to Product (ft btoc) | DTW (ft btoc) | Product Thickness (ft) | Potentiometric Surface Elevation (ft) |
|-----------|-----------------------------------|--------------------------|-------------|----------------------------|---------------|------------------------|---------------------------------------|
| | | | 2/19/2016 | 33.80 | 35.09 | 1.29 | 4832.55 |
| | | | 2/24/2016 | 33.58 | 35.29 | 1.71 | 4832.68 |
| | | | 2/29/2016 | 33.46 | 35.37 | 1.91 | 4832.77 |
| | | | 3/8/2016 | 33.68 | 34.69 | 1.01 | 4832.72 |
| | | | 3/15/2016 | 33.65 | 33.70 | 0.05 | 4832.94 |
| | | | 3/22/2016 | 34.55 | 35.55 | 1.00 | 4831.85 |
| | | | 3/29/2016 | 34.48 | 35.38 | 0.90 | 4831.94 |
| | | | 4/5/2016 | 34.95 | 35.05 | 0.10 | 4831.63 |
| | | | 4/19/2016 | 34.01 | 34.71 | 0.70 | 4832.45 |
| | | | 4/26/2016 | 34.45 | 35.04 | 0.59 | 4832.03 |
| | | | 5/5/2016 | 35.37 | 36.11 | 0.74 | 4831.08 |
| | | | 6/6/2016 | 33.91 | 34.82 | 0.91 | 4832.51 |
| 6/20/2016 | 33.75 | 35.32 | 1.57 | 4832.54 | | | |
| MW-4 | 4863.7 | 40.00 | 11/4/2015 | NA | 35.69 | 0.00 | 4828.01 |
| | | | 12/3/2015 | NA | 37.50 | 0.00 | 4826.20 |
| | | | 12/8/2015 | NA | 35.78 | 0.00 | 4827.92 |
| | | | 12/22/2015 | NA | 34.55 | 0.00 | 4829.15 |
| | | | 12/30/2015 | NA | 35.60 | 0.00 | 4828.10 |
| | | | 1/13/2016 | NA | 38.05 | 0.00 | 4825.65 |
| | | | 1/21/2016 | NA | 34.28 | 0.00 | 4829.42 |
| | | | 1/27/2016 | NA | 30.36 | 0.00 | 4833.34 |
| | | | 2/8/2016 | NA | 29.24 | 0.00 | 4834.46 |
| | | | 2/15/2016 | NA | 29.03 | 0.00 | 4834.67 |
| | | | 2/16/2016 | NA | 29.02 | 0.00 | 4834.68 |
| | | | 2/17/2016 | NA | 36.60 | 0.00 | 4827.10 |
| | | | 2/19/2016 | NA | 33.94 | 0.00 | 4829.76 |
| | | | 2/24/2016 | NA | 29.81 | 0.00 | 4833.89 |
| | | | 2/29/2016 | NA | 29.51 | 0.00 | 4834.19 |
| | | | 3/8/2016 | NA | 33.15 | 0.00 | 4830.55 |
| | | | 3/15/2016 | NA | 35.27 | 0.00 | 4828.43 |
| | | | 3/22/2016 | NA | 35.13 | 0.00 | 4828.57 |
| | | | 3/29/2016 | NA | 35.02 | 0.00 | 4828.68 |
| | | | 4/5/2016 | NA | 35.94 | 0.00 | 4827.76 |
| 4/19/2016 | NA | 33.14 | 0.00 | 4830.56 | | | |
| 4/26/2016 | NA | 29.88 | 0.00 | 4833.82 | | | |
| 5/5/2016 | NA | 29.36 | 0.00 | 4834.34 | | | |
| 6/6/2016 | NA | 29.35 | 0.00 | 4834.35 | | | |
| 6/20/2016 | NA | 29.31 | 0.00 | 4834.39 | | | |
| MW-5 | 4868.0 | 40.00 | 2/15/2016 | 40.31 | 40.41 | 0.10 | 4827.67 |
| | | | 2/16/2016 | 39.95 | 40.09 | 0.14 | 4828.02 |
| | | | 2/17/2016 | Dry | Dry | 0.00 | Dry |
| | | | 2/19/2016 | 39.78 | 40.07 | 0.29 | 4828.16 |
| | | | 2/24/2016 | 38.60 | 39.19 | 0.59 | 4829.28 |
| | | | 2/29/2016 | 37.66 | 38.56 | 0.90 | 4830.16 |
| | | | 3/8/2016 | 36.66 | 37.95 | 1.29 | 4831.09 |
| | | | 3/15/2016 | 36.20 | 36.35 | 0.15 | 4831.77 |
| | | | 3/22/2016 | 35.95 | 37.80 | 1.85 | 4831.69 |
| | | | 3/29/2016 | 35.78 | 36.51 | 0.73 | 4832.08 |
| | | | 4/5/2016 | NA | 35.74 | 0.00 | 4832.26 |
| | | | 4/19/2016 | 35.65 | 38.30 | 2.65 | 4831.83 |
| | | | 4/26/2016 | 35.48 | 38.30 | 2.82 | 4831.97 |
| | | | 5/5/2016 | 35.52 | 35.53 | 0.01 | 4832.48 |
| | | | 6/6/2016 | 39.08 | 39.85 | 0.77 | 4828.77 |
| 6/20/2016 | 37.22 | 38.46 | 1.24 | 4830.54 | | | |
| MW-6 | 4867.1 | 45.00 | 2/15/2016 | 35.32 | 36.60 | 1.28 | 4831.53 |
| | | | 2/16/2016 | 35.33 | 36.91 | 1.58 | 4831.46 |
| | | | 2/17/2016 | 35.95 | 36.14 | 0.19 | 4831.11 |
| | | | 2/19/2016 | 35.55 | 36.50 | 0.95 | 4831.36 |
| | | | 2/24/2016 | 35.30 | 37.55 | 2.25 | 4831.36 |
| 2/29/2016 | 34.76 | 38.19 | 3.43 | 4831.67 | | | |



Table 4 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Well ID | Top of Casing Elevation (ft amsl) | Total Depth of Well (ft) | Date Gauged | Depth to Product (ft btoc) | DTW (ft btoc) | Product Thickness (ft) | Potentiometric Surface Elevation (ft) |
|---------|-----------------------------------|--------------------------|-------------|----------------------------|---------------|------------------------|---------------------------------------|
| | | | 3/8/2016 | 34.44 | 39.14 | 4.70 | 4831.74 |
| | | | 3/15/2016 | 34.28 | 38.44 | 4.16 | 4832.00 |
| | | | 3/22/2016 | 33.92 | 39.90 | 5.98 | 4832.01 |
| | | | 3/29/2016 | 33.88 | 40.03 | 6.15 | 4832.01 |
| | | | 4/5/2016 | 34.02 | 39.58 | 5.56 | 4831.99 |
| | | | 4/19/2016 | 34.11 | 40.91 | 6.80 | 4831.66 |
| | | | 4/26/2016 | 33.80 | 38.87 | 5.07 | 4832.31 |
| | | | 5/5/2016 | 34.01 | 40.78 | 6.77 | 4831.76 |
| | | | 6/6/2016 | 33.94 | 40.80 | 6.86 | 4831.82 |
| | | | 6/20/2016 | 34.72 | 39.50 | 4.78 | 4831.44 |
| MW-7 | 4862.6 | 40.00 | 2/15/2016 | 31.86 | 34.29 | 2.43 | 4830.26 |
| | | | 2/16/2016 | 30.00 | 33.03 | 3.03 | 4832.01 |
| | | | 2/17/2016 | 35.38 | 36.50 | 1.12 | 4827.00 |
| | | | 2/19/2016 | 30.26 | 32.22 | 1.96 | 4831.96 |
| | | | 2/24/2016 | 28.01 | 30.35 | 2.34 | 4834.13 |
| | | | 2/29/2016 | 27.75 | 29.91 | 2.16 | 4834.43 |
| | | | 3/8/2016 | 27.55 | 29.73 | 2.18 | 4834.62 |
| | | | 3/15/2016 | 27.61 | 29.90 | 2.29 | 4834.54 |
| | | | 3/22/2016 | 27.58 | 29.93 | 2.35 | 4834.56 |
| | | | 3/29/2016 | 27.55 | 29.95 | 2.40 | 4834.58 |
| | | | 4/5/2016 | 27.75 | 30.28 | 2.53 | 4834.35 |
| | | | 4/19/2016 | 27.89 | 27.91 | 0.02 | 4834.71 |
| | | | 4/26/2016 | 27.44 | 30.06 | 2.62 | 4834.65 |
| | | | 5/5/2016 | 27.81 | 29.09 | 1.28 | 4834.54 |
| | | | 6/6/2016 | 28.62 | 30.50 | 1.88 | 4833.61 |
| | | | 6/20/2016 | 28.10 | 29.61 | 1.51 | 4834.20 |
| MW-8 | 4864.3 | 40.00 | 2/15/2016 | NA | 35.85 | 0.00 | 4828.45 |
| | | | 2/16/2016 | NA | 34.10 | 0.00 | 4830.20 |
| | | | 2/17/2016 | NA | 35.09 | 0.00 | 4829.21 |
| | | | 2/19/2016 | NA | 32.57 | 0.00 | 4831.73 |
| | | | 2/24/2016 | NA | 28.81 | 0.00 | 4835.49 |
| | | | 2/29/2016 | NA | 27.45 | 0.00 | 4836.85 |
| | | | 3/8/2016 | NA | 27.14 | 0.00 | 4837.16 |
| | | | 3/15/2016 | NA | 27.25 | 0.00 | 4837.05 |
| | | | 3/22/2016 | NA | 33.80 | 0.00 | 4830.50 |
| | | | 3/29/2016 | NA | 27.38 | 0.00 | 4836.92 |
| | | | 4/5/2016 | 27.70 | 27.73 | 0.03 | 4836.59 |
| | | | 4/19/2016 | 28.04 | 28.06 | 0.02 | 4836.26 |
| | | | 4/26/2016 | 27.72 | 27.75 | 0.03 | 4836.57 |
| | | | 5/5/2016 | 28.28 | 28.30 | 0.02 | 4836.02 |
| | | | 6/6/2016 | 28.46 | 28.52 | 0.06 | 4835.83 |
| | | | 6/20/2016 | NA | 27.83 | 0.00 | 4836.47 |
| MW-9 | 4860.9 | 35.00 | 3/15/2016 | NA | 33.45 | 0.00 | 4827.45 |
| | | | 3/21/2016 | NA | 31.84 | 0.00 | 4829.06 |
| | | | 3/22/2016 | NA | 33.80 | 0.00 | 4827.10 |
| | | | 3/29/2016 | NA | 31.85 | 0.00 | 4829.05 |
| | | | 4/5/2016 | NA | 29.98 | 0.00 | 4830.92 |
| | | | 4/19/2016 | NA | 27.48 | 0.00 | 4833.42 |
| | | | 4/26/2016 | NA | 26.80 | 0.00 | 4834.10 |
| | | | 5/5/2016 | NA | 26.61 | 0.00 | 4834.29 |
| | | | 6/6/2016 | NA | 26.50 | 0.00 | 4834.40 |
| | | | 6/20/2016 | NA | 26.40 | 0.00 | 4834.50 |
| MW-10 | 4867.7 | 39.00 | 3/15/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/21/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/22/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/29/2016 | NA | Dry | 0.00 | Dry |
| | | | 4/5/2016 | NA | 39.12 | 0.00 | 4828.58 |
| | | | 4/19/2016 | NA | 38.19 | 0.00 | 4829.51 |
| | | | 4/26/2016 | NA | 37.78 | 0.00 | 4829.92 |
| | | | 5/5/2016 | NA | 37.58 | 0.00 | 4830.12 |
| | | | 6/6/2016 | NA | 37.35 | 0.00 | 4830.35 |
| | | | 6/20/2016 | NA | 37.32 | 0.00 | 4830.38 |



Table 4 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Well ID | Top of Casing Elevation (ft amsl) | Total Depth of Well (ft) | Date Gauged | Depth to Product (ft btoc) | DTW (ft btoc) | Product Thickness (ft) | Potentiometric Surface Elevation (ft) |
|-----------|-----------------------------------|--------------------------|-------------|----------------------------|---------------|------------------------|---------------------------------------|
| MW-11 | 4871.6 | 44.00 | 3/15/2016 | NA | 41.07 | 0.00 | 4830.53 |
| | | | 3/21/2016 | NA | 41.10 | 0.00 | 4830.50 |
| | | | 3/22/2016 | NA | 42.22 | 0.00 | 4829.38 |
| | | | 3/29/2016 | NA | 40.98 | 0.00 | 4830.62 |
| | | | 4/5/2016 | NA | 41.06 | 0.00 | 4830.54 |
| | | | 4/19/2016 | NA | 47.15 | 0.00 | 4824.45 |
| | | | 4/26/2016 | NA | 40.83 | 0.00 | 4830.77 |
| | | | 5/5/2016 | NA | 41.06 | 0.00 | 4830.54 |
| | | | 6/6/2016 | NA | 41.00 | 0.00 | 4830.60 |
| 6/20/2016 | NA | 41.08 | 0.00 | 4830.52 | | | |
| MW-12 | 4870.1 | 38.00 | 3/15/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/21/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/22/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/29/2016 | NA | Dry | 0.00 | Dry |
| | | | 4/5/2016 | NA | 40.09 | 0.00 | 4830.01 |
| | | | 4/19/2016 | NA | 39.46 | 0.00 | 4830.64 |
| | | | 4/26/2016 | NA | 39.28 | 0.00 | 4830.82 |
| | | | 5/5/2016 | NA | 39.16 | 0.00 | 4830.94 |
| | | | 6/6/2016 | NA | 38.94 | 0.00 | 4831.16 |
| 6/20/2016 | NA | 38.91 | 0.00 | 4831.19 | | | |
| MW-13 | 4864.4 | 40.00 | 3/15/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/21/2016 | NA | 38.86 | 0.00 | 4825.54 |
| | | | 3/22/2016 | NA | 39.35 | 0.00 | 4825.05 |
| | | | 3/29/2016 | NA | 37.37 | 0.00 | 4827.03 |
| | | | 4/5/2016 | NA | 35.84 | 0.00 | 4828.56 |
| | | | 4/19/2016 | NA | 33.26 | 0.00 | 4831.14 |
| | | | 4/26/2016 | NA | 32.39 | 0.00 | 4832.01 |
| | | | 5/5/2016 | NA | 31.71 | 0.00 | 4832.69 |
| | | | 6/6/2016 | NA | 30.83 | 0.00 | 4833.57 |
| 6/20/2016 | NA | 30.76 | 0.00 | 4833.64 | | | |
| MW-14 | 4863.7 | 40.00 | 3/15/2016 | NA | 29.62 | 0.00 | 4834.08 |
| | | | 3/21/2016 | NA | 29.55 | 0.00 | 4834.15 |
| | | | 3/22/2016 | NA | 29.35 | 0.00 | 4834.35 |
| | | | 3/29/2016 | NA | 29.37 | 0.00 | 4834.33 |
| | | | 4/5/2016 | NA | 29.64 | 0.00 | 4834.06 |
| | | | 4/19/2016 | NA | 29.85 | 0.00 | 4833.85 |
| | | | 4/26/2016 | NA | 29.51 | 0.00 | 4834.19 |
| | | | 5/5/2016 | NA | 29.79 | 0.00 | 4833.91 |
| | | | 6/6/2016 | NA | 29.73 | 0.00 | 4833.97 |
| 6/20/2016 | NA | 29.94 | 0.00 | 4833.76 | | | |
| MW-15 | 4861.4 | 34.00 | 3/15/2016 | NA | 35.15 | 0.00 | 4826.25 |
| | | | 3/21/2016 | NA | 33.75 | 0.00 | 4827.65 |
| | | | 3/22/2016 | NA | 34.15 | 0.00 | 4827.25 |
| | | | 3/29/2016 | NA | 31.69 | 0.00 | 4829.71 |
| | | | 4/5/2016 | NA | 30.14 | 0.00 | 4831.26 |
| | | | 4/19/2016 | NA | 28.50 | 0.00 | 4832.90 |
| | | | 4/26/2016 | NA | 27.96 | 0.00 | 4833.44 |
| | | | 5/5/2016 | NA | 27.64 | 0.00 | 4833.76 |
| | | | 6/6/2016 | NA | 27.12 | 0.00 | 4834.28 |
| 6/20/2016 | NA | 27.00 | 0.00 | 4834.40 | | | |
| MW-16 | 4863.4 | 39.00 | 3/15/2016 | NA | 35.52 | 0.00 | 4827.88 |
| | | | 3/21/2016 | NA | 32.67 | 0.00 | 4830.73 |
| | | | 3/22/2016 | 36.31 | 36.34 | 0.03 | 4827.08 |
| | | | 3/29/2016 | NA | 30.70 | 0.00 | 4832.70 |
| | | | 4/5/2016 | NA | 29.65 | 0.00 | 4833.75 |
| | | | 4/19/2016 | NA | 29.19 | 0.00 | 4834.21 |
| | | | 4/26/2016 | NA | 28.98 | 0.00 | 4834.42 |
| | | | 5/5/2016 | NA | 29.18 | 0.00 | 4834.22 |
| | | | 6/6/2016 | NA | 29.27 | 0.00 | 4834.13 |
| 6/20/2016 | NA | 29.30 | 0.00 | 4834.10 | | | |



Table 4 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

| Well ID | Top of Casing Elevation (ft amsl) | Total Depth of Well (ft) | Date Gauged | Depth to Product (ft btoc) | DTW (ft btoc) | Product Thickness (ft) | Potentiometric Surface Elevation (ft) |
|-----------|-----------------------------------|--------------------------|-------------|----------------------------|---------------|------------------------|---------------------------------------|
| MW-17 | 4866.0 | 44.00 | 3/16/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/21/2016 | 43.16 | NA | 0.84 | Dry |
| | | | 3/22/2016 | 44.45 | 45.53 | 1.08 | 4821.34 |
| | | | 3/29/2016 | 39.16 | 43.55 | 4.39 | 4825.98 |
| | | | 4/5/2016 | 36.62 | 42.32 | 5.70 | 4828.26 |
| | | | 4/19/2016 | 34.22 | 42.25 | 8.03 | 4830.21 |
| | | | 4/26/2016 | 33.39 | 42.16 | 8.77 | 4830.89 |
| | | | 5/5/2016 | 33.04 | 42.05 | 9.01 | 4831.19 |
| | | | 6/6/2016 | 32.71 | 41.94 | 9.23 | 4831.48 |
| 6/20/2016 | 36.13 | 43.14 | 7.01 | 4828.50 | | | |
| MW-18 | 4868.6 | 44.00 | 3/16/2016 | NA | 38.87 | 0.00 | 4829.73 |
| | | | 3/21/2016 | NA | 37.72 | 0.00 | 4830.88 |
| | | | 3/22/2016 | NA | 38.10 | 0.00 | 4830.50 |
| | | | 3/29/2016 | NA | 37.55 | 0.00 | 4831.05 |
| | | | 4/5/2016 | NA | 37.74 | 0.00 | 4830.86 |
| | | | 4/19/2016 | NA | 37.87 | 0.00 | 4830.73 |
| | | | 4/26/2016 | NA | 37.55 | 0.00 | 4831.05 |
| | | | 5/5/2016 | NA | 37.79 | 0.00 | 4830.81 |
| | | | 6/6/2016 | NA | 37.75 | 0.00 | 4830.85 |
| 6/20/2016 | NA | 37.90 | 0.00 | 4830.70 | | | |
| MW-19 | 4870.2 | 39.00 | 3/21/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/22/2016 | NA | Dry | 0.00 | Dry |
| | | | 3/29/2016 | NA | Dry | 0.00 | Dry |
| | | | 4/5/2016 | NA | Dry | 0.00 | Dry |
| | | | 4/19/2016 | NA | 39.87 | 0.00 | 4830.33 |
| | | | 4/26/2016 | NA | 39.56 | 0.00 | 4830.64 |
| | | | 5/5/2016 | NA | 39.44 | 0.00 | 4830.76 |
| | | | 6/6/2016 | NA | 39.20 | 0.00 | 4831.00 |
| | | | 6/20/2016 | NA | 39.18 | 0.00 | 4831.02 |
| MW-20 | 4867.0 | 39.00 | 3/21/2016 | 33.95 | 38.85 | 4.90 | 4832.09 |
| | | | 3/22/2016 | 38.35 | 40.21 | 1.86 | 4828.29 |
| | | | 3/29/2016 | 38.34 | 39.15 | 0.81 | 4828.50 |
| | | | 4/5/2016 | 33.52 | 38.88 | 5.36 | 4832.43 |
| | | | 4/19/2016 | 33.67 | 38.29 | 4.62 | 4832.42 |
| | | | 4/26/2016 | 33.26 | 38.05 | 4.79 | 4832.80 |
| | | | 5/5/2016 | 33.60 | 36.30 | 2.70 | 4832.87 |
| | | | 6/6/2016 | 33.85 | 38.85 | 5.00 | 4832.17 |
| | | | 6/20/2016 | 33.80 | 38.30 | 4.50 | 4832.32 |

NA - Not Applicable

DTW - Depth to Water

ft btoc - Feet Below Top of Casing

ft amsl - Feet Above Mean Sea Level



Table 5 - PSH Removal

**Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado**

| Well ID | Date Gauged | Estimated PSH Recovered (gallons) | Cumulative PSH Recovered (gallons) |
|--------------|-------------|-----------------------------------|------------------------------------|
| MW-1 | Nov-15 | 0.00 | 0.00 |
| | Dec-15 | 0.03 | 0.03 |
| | Jan-16 | 0.00 | 0.03 |
| | Feb-16 | 0.03 | 0.06 |
| | Mar-16 | 0.00 | 0.06 |
| | Apr-16 | 0.00 | 0.06 |
| | May-16 | 0.00 | 0.06 |
| | Jun-16 | 0.04 | 0.10 |
| MW-2 | Dec-16 | 0.03 | 0.03 |
| | Jan-16 | 0.00 | 0.03 |
| | Feb-16 | 0.17 | 0.20 |
| | Mar-16 | 0.00 | 0.20 |
| | Apr-16 | 0.01 | 0.21 |
| | May-16 | 0.00 | 0.21 |
| | Jun-16 | 0.04 | 0.25 |
| MW-3 | Dec-16 | 2.47 | 2.47 |
| | Jan-16 | 2.02 | 4.49 |
| | Feb-16 | 9.63 | 14.12 |
| | Mar-16 | 1.93 | 16.05 |
| | Apr-16 | 0.91 | 16.96 |
| | May-16 | 0.48 | 17.44 |
| | Jun-16 | 2.12 | 19.56 |
| | Jul-16 | 4.50 | 24.06 |
| | Aug-16 | 0.50 | 24.56 |
| MW-4 | Dec-16 | 0 | 0.00 |
| | Jan-16 | 0.00 | 0.00 |
| | Feb-16 | 0.00 | 0.00 |
| | Mar-16 | 0.00 | 0.00 |
| | Apr-16 | 0.00 | 0.00 |
| | May-16 | 0.00 | 0.00 |
| | Jun-16 | 0.00 | 0.00 |
| | Jul-16 | 0.00 | 0.00 |
| | Aug-16 | 0.00 | 0.00 |
| MW-5 | Jun-16 | 1.50 | 1.50 |
| | Jul-16 | 7.00 | 8.50 |
| | Aug-16 | 0.25 | 8.75 |
| MW-6 | Jun-16 | 6.98 | 6.98 |
| | Jul-16 | 10.50 | 17.48 |
| | Aug-16 | 0.25 | 17.73 |
| MW-7 | Jun-16 | 3.73 | 3.73 |
| | Jul-16 | 10.50 | 14.23 |
| | Aug-16 | 0.25 | 14.48 |
| MW-17 | Jun-16 | 9.03 | 9.03 |
| | Jul-16 | 22.00 | 31.03 |
| | Aug-16 | 1.00 | 32.03 |
| MW-20 | Jun-16 | 7.27 | 7.27 |
| | Jul-16 | 36.00 | 43.27 |
| | Aug-16 | 4.00 | 47.27 |
| Total | | | 145.18 |

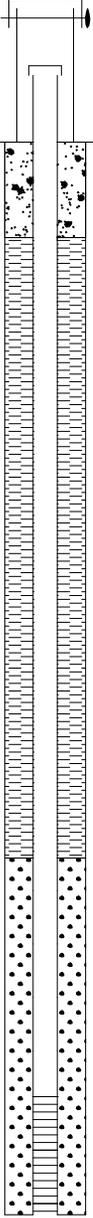
PSH - Phase Separated Hydrocarbons

Attachment 3
Boring Logs

SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-1</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>37'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4865.0'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 30, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Very Fine Silty Clay, Dry, Loose, Trace Organic Matter Top 3", 10YR 6/3 Pale Brown, No Odor | 0 |
| 4 | | | 0.0 | | | 6' | Sand, Fine to Medium Grained with Some Gravels < 5mm, Dry, Loose, 10YR 6/3 Pale Brown, No Odor | 4 |
| 8 | | | 0.0 | | | 11' | Sandy Silt, Sand is Fine to Very Fine Grained, Slight Compaction, 10YR 5/6 Yellowish Brown, No Odor | 8 |
| 12 | | | 0.0 | | | 12'6" | Same as Above with Trace Black Streaks | 12 |
| 16 | | | 0.0 | | | 17' | Very Fine Sandy Silt, Compact but Crumbles with Fingers, Odor Present, 2.5Y 6/2 Light Brownish Gray, Moderate Odor | 16 |
| 20 | | | 2.0 | | | 19' | Same as Above, Except Slightly Moist, Strong Odor | |
| | | | 14.0 | | 20'-25' | 20' | Same as Above, Except 2.5Y 6/1 Gray | 20 |
| | | | 22.7 | | | 22' | Same as Above, Except Hard, Trace Fragments of Siltstone | |
| | | | 305 | | | | | |
| | | | 2,660 | | | | | |

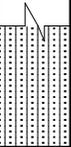
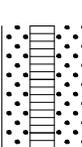
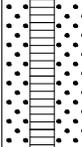
REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-1</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>37'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4865.0'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 30, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---------|-----------------|----------------------|---|-------------|
| 24 |  |  | 3,610 | | | | | 24 |
| | | | 3,548 | | 25'-30' | 25' | Silt to Siltstone, Water in Fractures, Trace Yellow Stains, Hard, Compact, Breaks with Fingers, 5Y 6/2 Light Olive Gray, Moist, Strong Odor | |
| | | | 4,299 | | | 27' | Same as Above, Trace Black Minerals and Yellow Staining | 28 |
| 28 | | | 2,496 | | | | | |
| | | | 2,838 | | | 29' | Same as Above, No More Black or Yellow | |
| | | | 1,539 | | | 30' | Same as Above, Very Moist | |
| | | | 960 | | 30'-35' | 31' | Same as Above, Except Less Odor, Moderate Odor | 32 |
| 32 |  |  | 128.2 | | | | | |
| | | | 2.3 | | | 33' | Clay, Moist, Trace Orange Stains, Dense, Slight Plasticity, Stiff, 5Y 6/2 Light Olive Gray, Moderate Odor | |
| | | | 264.3 | | | | | |
| | | | 160.1 | | 35'-37' | 36' | Siltstone, Very Hard, Very Compact, Dry, 5Y 6/2 Light Olive Gray < No Odor | 36 |
| 36 |  |  | 1,940 | | | 37' | Bottom of Hole | |
| | | | 18.2 | | | | | |
| 40 | | | | | | | | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

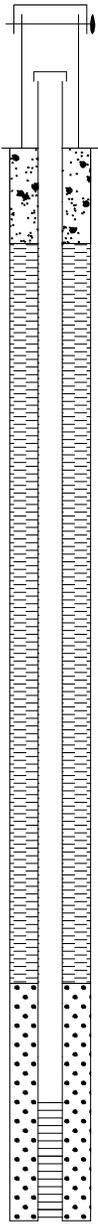
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-2</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4865.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 30, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|---|-------------|
| 0 | |  | | | | 0' | Very Fine Silty Clay, Trace Organic Matter Top 3", Dry, Loose, 10YR 7/3 Very Pale Brown, No Odor | 0 |
| 4 | | | | | | 5' | Sandy Gravel, Sand Fine to Medium Grained, Gravel < 7mm, Dry, Loose, 10YR 6/4 Light Yellowish Brown, No Odor | 4 |
| 8 | | | 0.0 | | | 10' | Fine Sand with Some Silt, Trace Biotite, Dry, Semi-Compact, 10YR 6/4 Light Yellowish Brown, No Odor | 8 |
| 12 | | | 0.0 | | | 13' | Silt with Some Very Fine Sand, Trace Biotite, Semi-Compact, Slightly Moist, 10YR 5/4 Yellowish Brown, No Odor | 12 |
| 16 | | | 0.0 | | 15'-20' | 15' | Silt, Trace Clay and Siltstone Fragments, Slightly Moist, Hard Compact Crumbles with Fingers, 10YR 5/4 Yellowish Brown, No Odor | 16 |
| | | | 3.9 | | | 17' | Same as Above, Except Slight Odor | |
| | | | 7.3 | | | 18' | Silt to Siltstone, Hard, Crumbly, Slightly Moist to Moist, Odor, 2.5Y 5/3 Light Olive Brown | |
| | | | 14.3 | | | 19' | Very Fine Sandy Silt with Trace Clay, Slight Plasticity, Loose, Odor, Slightly Moist, 5Y 5/3 Olive | |
| 20 | | | 3,669 | | 20'-25' | 20' | Same as Above, Except Moist, Water in Fractures | 20 |
| | | | 3,252 | | | 21' | Same as Above, Except Harder with Trace Yellow Staining | |
| | | | 4,245 | | | 22' | Silt to Siltstone, Hard, Crumbly, Very Moist, Water in Fractures, Trace | |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-2</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4865.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 30, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) | |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|--|---------------------------------------|----|
| 24 | | | 365 | | 25'-30' | 25' | Yellow Stains, 5Y 5/3 Olive, Strong Odor | 24 | |
| | | | 353.8 | | | 27' | Silt, Dense, Very Slight Plasticity, Very Moist to Wet, Red Staining Throughout, Fragments of Siltstone, 5Y 5/3 Olive, Strong Odor | 28 | |
| 28 | | | 3,009 | | | 28' | Same as Above, Except Moist and Less Red Staining | | |
| | | | 3,791 | | | 29' | Silt to Siltstone, Hard, Dense, But Crumbly, Moist, Trace Yellow Stains, 5Y 5/2 Olive Gray, Strong Odor | | |
| | | | 4,987 | | | | Same as Above, Slightly Moist, Very Hard | | |
| | | | 5,965 | | | | | | |
| | | | 8,754 | | | | | | |
| | | | 3,836 | | | | | | |
| | | | 1,354 | | | | 33' | Same as Above, Except More Red Stains | 32 |
| | | | 17.8 | | | | 34' | Same as Above, Except No Red Stains | |
| 36 | | | 1,297 | | | | | 36 | |
| | | | 6,180 | | | | | | |
| | | | 3,177 | | | 38' | Siltstone, Hard, Cemented/Compact, Dry, Gley1 5/10Y Greenish Gray, No Odor | | |
| 40 | | | 39.4 | | | 40' | Bottom of Hole | 40 | |
| 44 | | | | | | | | 44 | |

REMARKS:

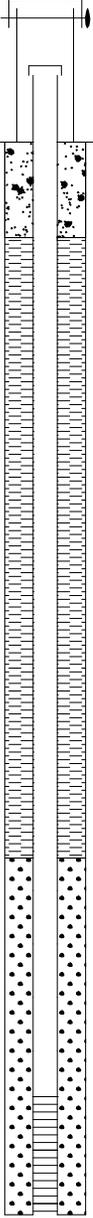
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-3</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4866.6'</u> | CASING: Diam. <u>4"</u> Length <u>18'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>July 1, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Very Fine Silty Clay, Trace Organic Matter Top 1', Dry, Loose, 10YR 6/3 Pale Brown, No Odor | 0 |
| 4 | | | 0.0 | | | 8' | Sand(Fine to Medium) with Gravels < 5mm, Dry, Loose, 10YR 7/3 Very Pale Brown, No Odor | 4 |
| 8 | | | 0.0 | | | 10' | Fine to Medium Sand with Trace Gravel < 3mm and Siltstone Fragments, Dry, Loose, Color Grades to 2.5Y 7/2 Light Gray, No Odor | 8 |
| 12 | | | 0.0 | | | 12' | Fine Sand with Silt and Fragments of Siltstone, Dry, Semi-Compact, 5Y 6/3 Pale Olive, No Odor | 12 |
| 14 | | | 0.0 | | | 14' | Silt to Siltstone, Slightly Moist, Trace Black Minerals, Dense, Crumbles with Fingers, 5Y 6/3 Pale Olive, No Odor | 16 |
| 16 | | | 0.0 | | | 15' | Silt to Siltstone, Slightly Moist, Trace Black Minerals and Yellow Staining, Very Slight Odor, 5Y 6/3 Pale Olive | 16 |
| 17 | | | 0.0 | | | 17' | Same as Above, Except Trace Calcite Deposits and Yellow & Orange Staining | 16 |
| 20 | | | 20.4 | | | 18'6" | Silt to Siltstone, Hard, Dense but Crumbles, Trace Clay, Moist, Trace Yellow and Orange Staining, Very Slight Plasticity, 5Y 5/2 Olive Gray, Slight Odor | 20 |
| | | | 28.7 | | 20'-25' | | | |
| | | | 40.7 | | | | | |
| | | | 972 | | | | | |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Remington</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-3</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4866.6'</u> | CASING: Diam. <u>4"</u> Length <u>18'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>July 1, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|--|---|-------------|
| 24 | | | 288.8 | | 25'-30' | 25' | | 24 |
| | | | 1,989 | | | 26' | Same as Above but Harder, More Compact | |
| | | | 1,174 | | | 26' | Same as Above but Back to Less Hard | |
| | | | 835 | | | | | |
| | | | 786 | | | | | |
| 28 | | | 1,409 | | | 29' | | 28 |
| | | | 2,250 | | | 30' | Fine Sand with Silt and Fragments of Siltstone, Loose, Moist, Red and Yellow Stains, 5Y 5/2 Olive Gray, Strong Odor | |
| | | | 3,138 | | 30' | Silt to Siltstone with Some Fine Sand, Hard, Compact, Moist, Red and Yellow Stains, 5Y 5/2 Olive Gray, Strong Odor | | |
| | | | 1,999 | | | | | |
| | | | 736.4 | | 33' | | 32 | |
| | | | 69.4 | | 34' | Silt/Siltstone, Hard, Compact, Moist, Water in Fractures, Trace Yellow Stains, 5Y 5/2 Olive Gray, Moderate Odor | | |
| | | | 119.3 | | 35' | Same as Above, No Odor, Very Hard, Very Compact | | |
| 36 | | | 37.2 | | | Bottom of Hole | 36 | |
| 40 | | | | | | | 40 | |
| 44 | | | | | | | 44 | |

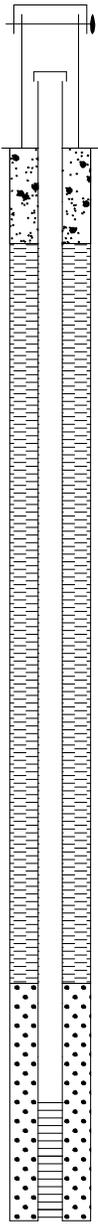
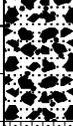
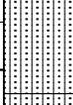
REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Reminton</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-4</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>39'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.7'</u> | CASING: Diam. <u>4"</u> Length <u>22'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 23, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|--|--------------|---------|-----------------|----------------------|---|-------------|
| 0 |  |  | | | | 0' | Silty Clay, Very Fine, Trace Organic Matter, Dry, Loose, 10YR 6/3 Pale Brown, No Odor | 0 |
| 4 |  | | 0.0 | | | 5' | Silt, Moist, Fine Grained, No Plasticity, No Odor, 10YR 5/4 Yellowish Brown | 4 |
| 8 |  | | | | | 7' | Very Fine to Fine Sand with Some Gravel, Gravels < 3mm, Moist, Loose, No Odor, 10YR 5/4 Yellowish Brown | 8 |
| 12 |  | | 0.0 | | | 10' | Very Fine Sandy Silt, Moist, Slight Plasticity, Biotite(Trace), No Odor, 10YR 5/4 Yellowish Brown | 12 |
| 12 | | | | | | 12'6" | Same as Above, Except More Biotite, More Sand, No Plasticity | |
| 16 |  | | 0.0 | | | 15' | Fine Sandy Silt, Slightly Moist, Dense, Hard but Crumbles with Fingers, No Odor, 10YR 5/4 Yellowish Brown | 16 |
| 20 |  | | 0.4 | | | 18' | Same as Above, Slight Odor, 19.5' Changes Color to 5Y 5/3 Olive | |
| 20 |  | | 3.7 | | | 20' | Very Fine Sandy Silt, Slightly Moist, Hard but Crumbles with Fingers, Odor, 5Y 5/3 Olive | 20 |
| | | | 20.6 | | | 21' | Same as Above, Except No Sand | |
| | | | 377 | | | 22' | Same as Above, Evidence of Water in Fractures, 5Y 5/2 Olive Gray | |

REMARKS:

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SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Reminton</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Joe Fletcher</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Direct Push</u> |
| BORING / WELL NUMBER: <u>MW-4</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>39'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.7'</u> | CASING: Diam. <u>4"</u> Length <u>22'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>June 23, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 24 | | | 2,725 | | 25'-30' | 23' | Same as Above, Very Moist | 24 |
| | | | 1,422 | | | 24' | Fine Sandy Silt, Loose, Moist, Trace Siltstone Fragments, 5Y 5/2 Olive Gray, Moderate Odor | |
| | | | 2,042 | | | 25' | Same as Above, Hardens toward Bottom and More Compact, 5Y 5/2 Olive Gray | |
| | | | 2,100 | | | 26' | Clayey Silt, Moderate Plasticity, Moist, Hard, Dense, Odor, 5Y 5/2 Olive Gray, Moderate Odor | |
| | | | 354 | | | 27' | Very Fine Sandy Silt, Loose, Odor, 5Y 5/2 Olive Gray | 28 |
| 28 | | | 165 | | | 29' | Same as Above, Plus Trace Yellow Staining | |
| | | | 20.2 | | | 30' | Same as Above, Plus Trace Orange and Yellow Staining, Stronger Odor | |
| | | | 321 | | 30'-35' | 31' | Silt to Siltstone, Hard, Compact, Moisture in Fractures, Yellow and Orange Staining, 5Y 5/2 Olive Gray, Moderate Odor | 32 |
| | | | 2,625 | | | 32' | Same as Above, Except Looser, Slight Odor | |
| 32 | | | 235 | | | | | |
| | | | 29.3 | | | | | |
| | | | 2.7 | | | | | |
| | | | 3.1 | | 35'-39' | 36' | Same as Above, Except Harder | 36 |
| 36 | | | 135.4 | | | | | |
| | | | 116.6 | | | | | |
| | | | 407.7 | | | 38' | Same as Above, Very Hard, Very Compact, 5Y 6/2 Light Olive Gray, Dry, No Odor | |
| | | | 5.5 | | | 39' | Bottom of Hole | 40 |
| 40 | | | | | | | | |
| | | | | | | | | |
| 44 | | | | | | | | 44 |

REMARKS:

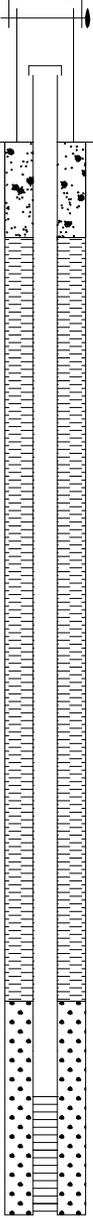
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-5</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4868.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 11, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Moist Organic Matter Top 1 Foot, Then Very Fine Clayey Silt, Loose Dry, No Odor, 10YR 7/3 Very Pale Brown | 0 |
| 4 | | | 0.3 | | | 5' | Very Fine Sandy Silt with Trace Clay and Some Gravel, Gravel Ranges from 3mm -Cobble Size, Slightly Moist, Very Loose, 10YR 7/4 Very Pale Brown, Grades to more Gravels at 7'6", No Odor | 4 |
| 8 | | | 0.2 | | | 10' | Gravelly Sand, Sand Medium to Coarse, Gravels up to Cobble Size, Loose, Slightly Moist, 10YR 7/4 Very Pale Brown | 8 |
| 12 | | | 0.0 | | | 13'6" | Fine Sand with Some Gravels and Silt, More Compact, Color Changes to Lenses of Greenish Hue, No Odor, 10YR 5/4 Yellowish Brown | 12 |
| 16 | | | 0.4 | | 15'-20' | 15' | Sandy Silt to Sand, Very Fine to Medium Grained, Silt is Compact to Medium Compact, Dry, No Odor, 5Y 7/2 Light Gray, Mottling and Staining, Likely Petroleum Product | 16 |
| 20 | | | | | | 20' | Same as Above, Some Odor and Petroleum Staining, Slightly Moist, More Compact, 5Y 6/3 Pale Olive | 20 |

REMARKS:

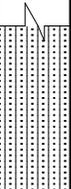
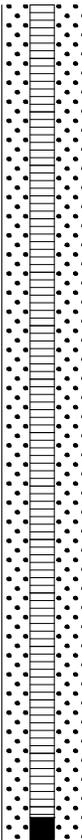
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-5</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4868.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 11, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|--|--------------|---------|-----------------|----------------------|--|-------------|
| 24 |  |  | 18.2 | | | | | 24 |
| 26 | | | | | | 26' | Changes to Very Hard/Compact Siltstone, Still Staining & Odor, 5Y 6/3 Pale Olive, More Moist | 28 |
| 28 | | | 8.1 | | | 30' | Same as Above, More Moist to Wet, Water Droplets Observed in Fractures, More Dark Petroleum Staining and Strong Odor 5Y 6/3 Pale Olive | 32 |
| 32 | | | 475 | | 30'-35' | | | 36 |
| 36 | | | | | 35'-38'6" | | Same as Above, Strong Odor 5Y 5/3 Olive | 40 |
| 40 | | | 740 25.9 | | 39'6"-40' | 39'6" 40' | Dark Green Siltstone, Moist, No Odor, Gley 1 5/5G Greenish Gray Bottom of Hole | 44 |

REMARKS:

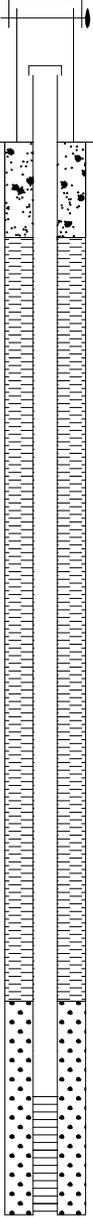
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SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-6</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.1'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Top Foot is Organic Matter, Moist, Then Very Fine Clayey Silt, Dry, Loose, No Odor, 10YR 5/4 Yellowish Brown | 0 |
| 4 | | | 1.8 | | | 5' | Same as Above, Grades to More Fine Sand, Slightly Moist, No Odor, 10YR 7/3 Very Pale Brown | 4 |
| 8 | | | 1.9 | | | 10' | Fine to Medium Sand w/Some Silt and Gravel, Gravel Fine to Cobbles, 10YR 6/4 Light Yellowish Brown, Slightly Moist to Dry, Loose to Slightly Compact, No Odor | 8 |
| 12 | | | 1.1 | | | 15' | Fine Sand w/Some Gravel(Small), 10YR 6/5 Brownish Yellow, Trace Mineralization of Biotite, Partially Compact to Loose, Dry, Hard, No Odor, More Compact Toward Bottom with Slight Moisture | 12 |
| 16 | | | 21.1 | | 15'-20' | 20' | Same as Above, 10YR 6/4 Light Yellowish Brown | 16 |
| 20 | | | | | 20'-25' | 22' | Fine Sandy Silt to Siltstone, Hard, Compact, Moist, No Odor, 10YR 6/ | 20 |
| | | | | | | | | |

REMARKS:

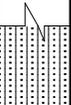
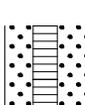
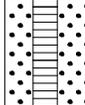
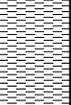
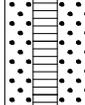
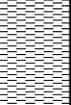
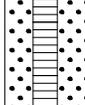
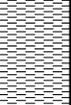
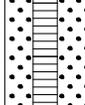
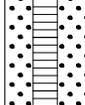
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-6</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.1'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---------|-----------------|----------------------|---|-------------|
| 24 |  |  | 75.8 | | | 25' | 2 Light Brownish Gray | 24 |
| 28 |  |  | 1,024 | | 25'-30' | 25' | Siltstone Top 1.5' Then Grades to More Medium Grained Sand Mixed w/Siltstone, Strong Odor 5Y 6/2, Light Olive Gray, Moist, Lots of Staining, Hard to Very Compact | 28 |
| 32 |  |  | 1,022 | | 30'-35' | 35' | Same as Above, Except Evidence of Water Droplets Between Fractures | 32 |
| 36 |  |  | 102 | | 35'-40' | 40' | Same as Above, Except Slight Odor | 36 |
| 40 |  |  | 50.3 | | 40'-43' | 43' | Dark Green Hard, Compact Siltstone, Gley 1 5/10GY Greenish Gray | 40 |
| 44 |  |  | 5.6 | | 43'-45' | 45' | Bottom of Hole | 44 |

REMARKS:

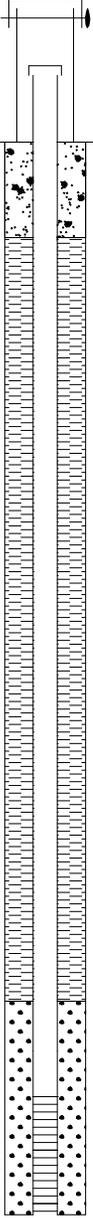
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-7</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4862.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Top Foot is Organic Material, Moist, Then to Very Fine Silty Clay, Dry, Loose, No Odor, 10YR 6/3 Pale Brown | 0 |
| 4 | | | 0.7 | | | 5' | Same as Above, Except 10YR 7/4 Very Pale Brown | 4 |
| 8 | | | 0.7 | | | 7'6" 8'6" 10' | Gravelly Sand with Silt, Gravels 3mm-Cobbles, Dry, Loose, No Odor, 10YR 6/4 Light Yellowish Brown Grades to Fine Sandy Silt, Hard, Trace Gravels, Dry, No Odor Gravelly Sand, Dry, Loose, Gravels 3mm to Cobbles, Grades to Hard, Iron Stains, No Odor | 8 |
| 12 | | | 0.8 | | | 13' | Changes to Compact, Very Fine Sandy Silt, Trace Purple Flakes, No, Odor, 10YR 6/4 Light Yellowish Brown | 12 |
| 16 | | | 3.1 | | | | | 16 |
| 20 | | | | 20'-25' | | 19'6" 20' | Same as Above, Except Changes Color to 5Y 5/2 Olive Gray Same as Above with Odor and Product Staining, 5Y 6/2 Light Olive Gray, Changes Color at 24' to 5Y 5/3 Olive | 20 |

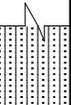
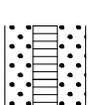
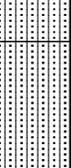
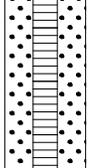
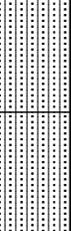
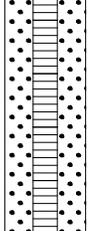
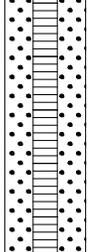
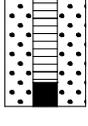
REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-7</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4862.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---------|-----------------|----------------------|--|-------------|
| 24 |  |  | 447.8 | | 25'-30' | 25' | Same as Above, Strong Odor, Product Staining, Wet Starting at 28', 5Y 6/3 Pale Olive | 24 |
| 28 |  |  | 1,161 | | 30'-35' | 30' | | 28 |
| 32 |  |  | 199.8 | | 35' | 35' | Silty Sand, Sand Medium to Coarse, Wet, Loose, Less Odor but Still Some | 32 |
| 36 |  |  | 49.5 9.0 | | 38'-40' | 38'6" | | 36 |
| 40 |  |  | | | | 40' | Changes Color to Dark Green, Harder, No Odor | 40 |
| 44 | | | | | | | Bottom of Hole | 44 |

REMARKS:

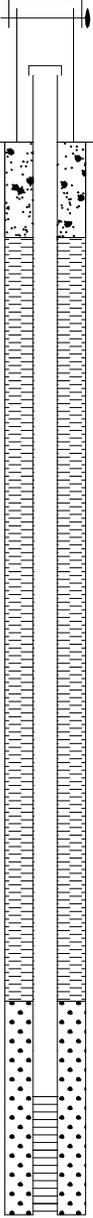
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-8</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4864.3'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Moist, Organic Matter Top Foot and a Half, Then Silty Clay, Dry, Loose, No Odor, 10YR 7/3 Very Pale Brown | 0 |
| 4 | | | 1.4 | | | | | 4 |
| 8 | | | 1.5 | | | 8'6" | Gravelly Sand, Sand Medium to Coarse, Gravel up to Cobble Size, Hard, Slightly Compact, No Odor, 10YR 6/4 Light Yellowish Brown, Dry | 8 |
| 12 | | | 3.0 | | 10'-15' | 11' | Changes to 5Y 6/3 Pale Olive, Hard, Compact, No Gravel, Dry, No Odor | 12 |
| 16 | | | | | | 13' | Changes to 2.5Y 6/4 Light Yellowish Brown, Very Hard, Very Compact, Fine Grained, Sandy Siltstone | |
| 20 | | | | | 15'-20' | 15' | Same as Above, 10YR 6/2 Light Brownish Gray | 16 |
| | | | 1,629 | | | 18' | Medium to Coarse Sand with Some Silt, Looser, Odor Present, Moist, 2.5Y 6/2 Light Brownish Gray | |
| | | | | | 20'-25' | 20' | Same as Above, Slightly Compact, 5Y 6/2 Olive Gray, Strong Odor, Staining | 20 |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Ben</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-8</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4864.3'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>February 12, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 24 | | | 1,240 | | | 23' | Very Hard, Very Compact Siltstone, Wet, 5Y 5/3 Olive, Odor is Strong, Petroleum Stains | 24 |
| | | | | | 25'-30' | 25' | Medium to Coarse Sand with Some Silt/Siltstone, Slightly Compact, Strong Odor, Lots of Staining, Wet, 5Y 6/2 Light Olive Gray | |
| 28 | | | 1,242 | | | 30' | Same as Above, Slight Odor, Wet | 28 |
| 32 | | | 759 | | | | | 32 |
| 36 | | | | | 35'-37'6" | | | 36 |
| | | | 702 | | 37'6"-40' | 37'6" | Changes to Dark Green, Hard, Siltstone, No Odor | |
| 40 | | | 10.3 | | | 40' | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

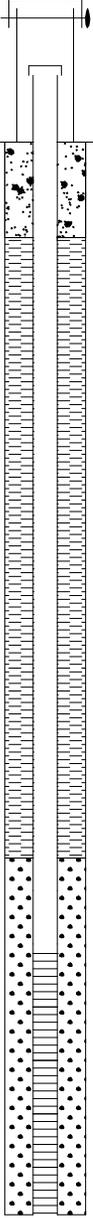
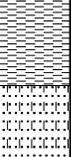
REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-9</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>15'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4860.9'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | | 0 |
| 4 |  | | 2.0 | | | | 10YR 5/3 Brown, Very Fine Silty Clay, Dry, Loose, Trace Organic Matter Top 6", No Odor | 4 |
| 8 |  | | 4.9 | | | 7'6" | 10YR 7/3 Very Pale Brown, Fine Sand with Trace Gravels and Silt, Dry, Loose, No Odor, Gravels up to 4mm in Size | 8 |
| 12 |  | | 6.4 | | 10'-15' | 10' | Silt to Siltstone, Medium Compaction, Trace Minerals of Biotite | 12 |
| 16 |  | | 6.4 | | 15'-20' | 13' | Fine Sand Mixed with Silt/Siltstone, Hard, More Compact, No Odor, Changes Color to 10YR 5/4 Yellowish Brown | 16 |
| 20 |  | | 1.4 | | | 17' | Very Compact, Hard, Dense, Siltstone, Trace Minerals of Biotite, Slightly Moist, No Odor, 10YR 6/4 Light Yellowish Brown | 17 |
| | | | | | | 20' | Same as Above, Trace Brown Stains | 20 |

REMARKS:

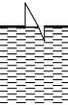
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-9</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>15'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4860.9'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---------|-----------------|----------------------|---|-------------|
| 24 |  |  | 1.5 | | | 22'6" | Siltstone, 2.5Y 6/1 Gray, Hard, Compact, But Crumbles in Fingers, Yellow Staining, No Odor, Water, Very Moist, Droplets between Fractures | 24 |
| 28 | | | 1.4 | | | 25' | Same as Above, More Yellow Stains, Also Reddish Brown Stains (Iron Staining), No Odor, Wet | 28 |
| 32 | | | 1.1 | | 30'-35' | 33' | Gley 1 5/10G Greenish Gray, No Odor, Hard, Dry, Compact | 32 |
| 36 | | | | | | 34'6" | Change to 10YR 7/2 Light Gray, Fine-Medium Grained Sand with Trace Gravels <3mm, Dry to Slightly Moist, No Odor, Mostly Compact but Breaks with Fingers | 36 |
| 40 | | | | | | 35' | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

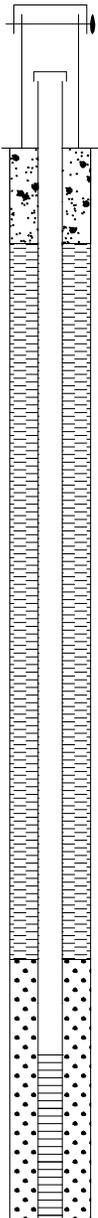
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-10</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.7'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Organic Matter Top 1', Then Fine, Dry, Loose, Silty Clay, No Odor, 10YR 6/3 Pale Brown | 0 |
| 4 | | | 2.1 | | | 6'6" | Sand, Fine to Coarse with Some Gravels <5mm, Trace Cobbles & Rock Fragments, Dry, Loose, 10YR 8/3 Very Pale Brown | 4 |
| 8 | | | 2.5 | | | 8' | Dry, Hard, Compact, 10YR 6/4 Light Yellowish Brown, Fine Sandy Silt, Trace Minerals, No Odor | 8 |
| 12 | | | 2.1 | | | 10' | Very Fine Sandy Silt to Siltstone, Trace Minerals of Biotite, Medium Compaction but Crumbles with Fingers, Dry, 10YR 6/4 Light Yellowish Brown, No Odor | 12 |
| 16 | | | 15'-20' | | | 12'6" | Same as Above, Except More Compact and Hard, Trace Purple Flecks, No Odor | 16 |
| 20 | | | 2.9 | | | 15' | Fine Sand with Silt, 10YR 6/6 Brownish Yellow, Dry, Semi-Compact but Crumbles Easily, Trace Minerals Biotite and Purple Flecks, No Odor | 20 |
| | | | | | | 17'6" | Compact, Silt with Trace Very Fine Sand, 10YR 5/4 Yellowish Brown, No Odor, Dry | |
| | | | | | | 20' | Very Fine Sandy Silt to Siltstone, Hard, Platy, Compact, Dry, Trace Biotite, Purple Flecks, 10YR 6/4 Light Yellowish Brown, Grades to 10YR 5/4 Yellowish Brown toward Bottom, Smearred on Spoon but No Visible Moisture, No Odor | |

REMARKS:

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SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-10</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.7'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 24 | | | 1.9 | | | 25' | | 24 |
| 28 | | | 3.0 | | | 30' | Silt to Siltstone, Trace Very Fine Sand, Slightly Moist at Top to Moist at Bottom, Trace Minerals and Yellow Staining, Compact but Crumbly, Top 2.5Y 6/3 Light Yellowish Brown, Grades to 2.5Y 5/2 Grayish Brown, No Odor | 28 |
| 32 | | | 4.4 | | 30'-35' | 35' | Silt to Siltstone, Trace Very Fine Sand, Moist, Trace Yellow and Reddish Brown Staining, 5Y 5/2 Olive Gray, Hard, Compact No Odor | 32 |
| 36 | | | | | 35'-40' | 35' | Same as Above, Very Hard, Very Compact | 36 |
| 40 | | | 0.9 | | | 40' | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

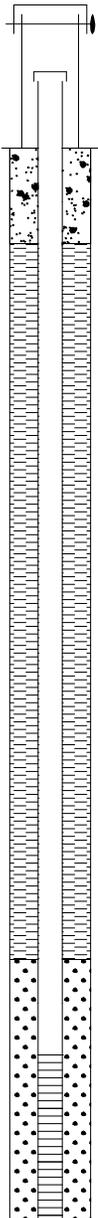
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-11</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4871.6'</u> | CASING: Diam. <u>4"</u> Length <u>22'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8-9, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Organic Matter First Foot, Then Very Fine Silty Clay, Dry, Loose, 10YR 6/4 Light Yellowish Brown, Trace Calcium Carbonate, No Odor | 0 |
| 4 | | | 1.6 | | | | | 4 |
| 8 | | | 2.0 | | | 8' | Sand, Very Fine to Coarse, Trace Gravels and Rock Fragments, Dry, Loose, 10YR 6/4 Light Yellowish Brown, Grades to Hard Compact, No Odor | 8 |
| 12 | | | 1.1 | | | 10' | Sand, Fine to Coarse, Trace Gravels, Medium Compaction but Crumbles with Fingers, 10YR 6/4 Light Yellowish Brown, Trace Biotite, Grades to Hard @ 14', No Odor | 12 |
| 16 | | | | | 15'-20' | 15' | Sand, Medium to Coarse, Some Silt & Siltstone Fragments, Dry, 10YR 6/4 Light Yellowish Brown, Some Compaction but Mostly Loose, Trace Biotite, No Odor | 16 |
| 20 | | | 2.2 | | 20'-25' | 17' | Fine Sandy Silt to Siltstone, Hard, Compact 7.5YR 6/4 Light Brown, Trace Biotite and Gravels <3mm, Dry, No Odor | 20 |
| | | | | | | 21' | Sand, Medium to Coarse, Dry, Fairly Loose/A Little Compact, 10YR 5/6 Yellowish Brown, No Odor | |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-11</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4871.6'</u> | CASING: Diam. <u>4"</u> Length <u>22'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 8-9, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|--|-------------|
| 24 | | | 18.4 | | 25'-30' | 23' | Fine Sandy Silt to Siltstone, Compact Hard, 10YR 5/6 Yellowish Brown, Dry, Trace Biotite, No Odor | 24 |
| 28 | | | 21.6 | | | 25' | Hard, Compact, Siltstone, Water Droplets in Fractures, 10YR 6/4 Light Yellowish Brown, Trace Biotite, Grades to Very Hard, 10YR 5/6 Yellowish Brown with Black Streaks that Appear to be a Mineral Vein, No Odor | 28 |
| 32 | | | 7.3 | | | 31' | Very Hard, Very Compact, Siltstone with Some Fine-Medium Sand, 2.5Y 6/2 Light Brownish Gray, No Odor, Slightly Moist last 0.5' with Yellow Staining | 32 |
| 36 | | | 5.2 | | | 35' | Silt to Siltstone w/Fine Sand, Compact but Crumbly, Yellow Staining throughout, Moist to Very Moist, Water Droplets in Fractures, 2.5Y 6/2 Light Yellowish Gray, No Odor | 36 |
| 40 | | | 1.0 | | 40'-45' | 45' | Bottom of Hole | 40 |
| 44 | | | | | | | | |

REMARKS:

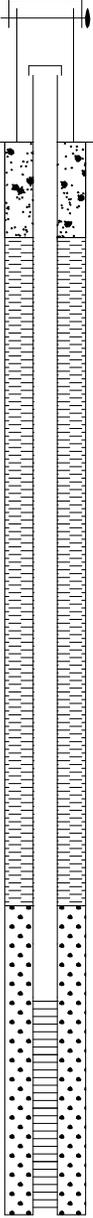
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-12</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4870.1'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 9, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|---|-------------|
| 0 | |  | | | | 0' | Organic Matter Top Foot, Then Very Fine Silty Clay, Dry, Loose, No Odor, 10YR 6/3 Pale Brown | 0 |
| 4 | | | 1.7 | | | 5' | Silty Clay, Dry, Loose, No Odor, Grades to 10YR 7/3 Very Pale Brown | 4 |
| 8 | | | 2.3 | | | 13' | Very Fine Sandy Silt w/Some Consolidated Siltstone Fragments, Dry, 10YR 6/4 Light Yellowish Brown, No Odor, Trace Gravels <3mm | 8 |
| 12 | | | 3.1 | | | 15' | Fine-Medium Grained Sand with Some Gravels, Dry, Loose to Semi-Consolidated, Trace Crystals of Calcite, No Odor, 10YR 6/4 Light Yellowish Brown | 12 |
| 16 | | | | | 15'-20' | 17' | Grades to More Consolidated, No Gravels, 10YR 5/6 Yellowish Brown, Compact, Hard, Trace Reddish Iron Staining, Trace Calcite Crystals, Dry, No Odor | 16 |
| 20 | | | 3.3 | | | 20' | Silt to Siltstone with Trace Fine Sand, 2.5Y 6/3 Light Yellowish Brown, Hard, Compact, Dense, No Odor, Slight Moisture | 20 |
| | | | | | 20'-25' | | | |

REMARKS:

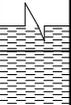
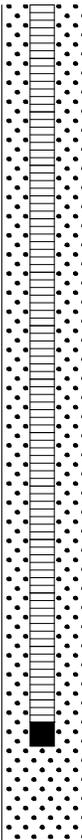
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-12</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4870.1'</u> | CASING: Diam. <u>4"</u> Length <u>20'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 9, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|--|--------------|---|-----------------|----------------------|---|--|
| 24 |  |  | 3.4 |  | | 23' | Siltstone with Trace Very Fine Sand, 5Y 6/2 Light Olive Gray, Trace Biotite and Yellow Stains, Very Compact, Hard, Slight Moisture, No Odor | 24 |
| | | | | | | 25' | | Silt to Siltstone with Some Fine Sand, Hard, Compact, Trace Biotite and Yellow Staining, Moist, 2.5Y 6/1 Gray, No Odor |
| 28 | | | 2.7 | | | 30' | Same as Above, Except more Yellow Staining and more Moist | 28 |
| 32 | | | 2.7 | | | 35' | Same as Above, Except 5Y 6/2 Light Olive Gray | 32 |
| 36 | | | 0.9 |  | 35'-40' | 40' | Bottom of Hole | 36 |
| 40 | | | | | | | | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

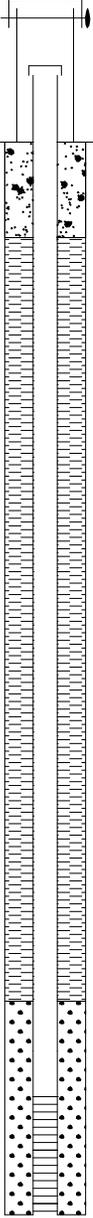
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-13</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4864.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 10, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|---|-------------|
| 0 | |  | | | | 0' | Very Fine Silty Clay, Trace Organic Matter, Dry, Loose, No Odor, 10YR 7/3 Very Pale Brown | 0 |
| 4 | | | 1.1 | | | 6' | Gravelly Sand, Sand is Medium to Coarse, Gravels 2mm-7mm and Trace Rock Fragments, Trace Silt, Dry, Loose, No Odor, 10YR 7/4 Very Pale Brown | 4 |
| 8 | | | 1.9 | | 10'-15' | 13'6" | Sandy Silt with Trace Gravels, Sand is Fine to Medium Grained, Gravels <4mm, Hard, Compact, No Odor, 5Y 6/2 Light Olive Gray | 8 |
| 12 | | | 1.9 | | 15'-20' | 15' | Fine Sandy Silt to Siltstone, Hard, Compact, Semi-Consolidated, Dry, No Odor, 5Y 6/2 Light Olive Gray | 12 |
| 16 | | | 4.1 | | | 18' | Same as Above, Except More Consolidated, Slightly Moist, Very Hard, Dense | 16 |
| 20 | | | | | | 20' | Sandy Silt, Sand Very Fine to Medium Grained, Hard, Compact but Crumbly, Trace Reddish Staining Starting at 22', Moist to Very Moist, No Odor | 20 |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-13</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4864.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 10, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 24 | | | 3.8 | | | 25' | Same as Above, Except Wet, Grades to More Compact at 27', 5Y 5/2 Olive Gray, No Odor | 24 |
| 28 | | | 2.8 | | | 30' | | 28 |
| 32 | | | 1.2 | | | 36' | Sandy Silt with Some Clay, Sand Fine to Medium Grained, Slight Plasticity, Compact but Soft and Crumbly, Wet, Trace Red Staining, Appears to be Iron Stains, No Odor, 5Y 6/2 Light Olive Gray | 32 |
| 36 | | | 2.2 | 35'-40' | | 40' | | 36 |
| 40 | | | | | | | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

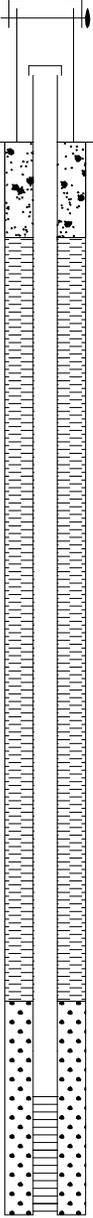
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-14</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.7'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 10, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Trace Organic Matter Top 6", Sand with Gravel, Sand Medium to Coarse, Gravel <7mm, Some Silt and Clay, Dry, Loose, No Odor, 10YR 6/3 Pale Brown | 0 |
| 4 | | | 2.6 | | | 5' | Gravelly Sand, Trace Cobbles and Rock Fragments, Dry, Loose, No Odor, 10YR 7/3 Very Pale Brown, Sand Very Coarse | 4 |
| 8 | | | 3.6 | | | 11' | Fine Sandy Silt to Siltstone, Hard, Compact, Semi-Consolidated but Crumbly, Trace Black Minerals(Biotite) and Purple Flecks, Slightly Moist, No Odor, 10YR 5/4 Yellowish Brown | 8 |
| 12 | | | 5.1 | | 10'-15' | 15' | Same as Above, Except No Purple Flecks, Moist | 12 |
| 16 | | | 6.2 | | | 21' | Fine Sand with Silt and Pieces of Siltstone, Very Hard, Very Compact, Biotite- Trace, Trace Gravels <4mm, Trace Yellow Staining, Moist, No | 16 |
| 20 | | | | | 20'-25' | | | 20 |

REMARKS:

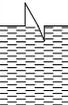
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-14</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.7'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 10, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|--|-----------------|----------------------|---|-------------|
| 24 |  |  | 7.2 |  | | 25' | Odor, 10YR 6/2 Light Brownish Gray | 24 |
| 28 | | | 4.4 | | | 30' | Same as Above, except 5Y 6/3 Pale Olive | 28 |
| 32 | | | 14.2 |  | 30'-35' | 35' | Same as Above, Some Yellow and Red Staining, Very Slight Odor, Wet, Slight Plasticity, 5Y 5/3 Olive | 32 |
| 36 |  |  | 2.1 | | 35'-40' | 40' | Silty Clay, Wet, Trace Yellow Staining, Medium Plasticity, No Odor, 5Y 6/3 Pale Olive | 36 |
| 40 | | | | | | | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

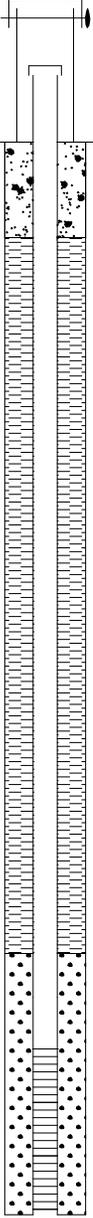
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-15</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>15'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4861.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 11, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | | 0 |
| 4 | | | 2.4 | | | 7' | Silty Clay, Trace Organic Matter, Dry, Loose, No Odor, 10YR 7/3 Very Pale Brown | 4 |
| 8 | | | 2.4 | | | 12'6" | Grades to Sand with Gravel, Sand is Very Fine to Medium Grained, Trace Gravel is <5mm, Dry, Loose, No Odor, 10YR 6/4 Light Yellowish Brown, Grades to Hard, More Compact at 8.5' | 8 |
| 12 | | | 3.7 | | | 15'-20' | Fine Sandy Silt, Trace Consolidated Siltstone Fragments, Hard, Compact but Breaks with Fingers, Trace Minerals of Biotite, Very Slight Moisture around 14- 15', 10YR 6/4 Light Yellowish Brown, No Odor | 12 |
| 16 | | | 3.7 | | | 19' | | 16 |
| 20 | | | | | 20'-25' | 20' | Very Fine Sandy Silt to Siltstone, Hard, Compact, Semi-Consolidated, Slight Odor, Slight Moisture, 2.5Y 6/2 Light Brownish Gray Silt to Siltstone, Moist, Hard, Compact, Semi-Consolidated, Red Staining, Odor Starting at 23', 5Y 5/2 Olive Gray | 20 |

REMARKS:

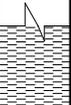
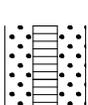
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-15</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>35'</u> | SCREEN: Diam. <u>4"</u> Length <u>15'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4861.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 11, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---------|-----------------|----------------------|---|----------------|
| 24 |  |  | 318.8 | | 25'-30' | 25' | Same as Above, Yellow & Red Staining, Odor, Very Moist to Wet, 5Y 5/2 Olive Gray | 24 |
| 28 | | | 399 | | 30'-34'6" | 30' | Same as Above, Wet | 28 |
| 32 | | | 247 | | 34'6"-35' | 34' | Siltstone, Hard, Compact to Consolidated, Dry, Gley1 5/5G Greenish Gray Sandy Silt with Trace Gravels <3mm, Dry to Slightly Moist, Crumbly, 5Y 5/3 Olive | 32 |
| 36 | | | 5.0 | | | 35' | | Bottom of Hole |
| 40 | | | | | | | | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-16</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 11, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---------------------|-------------------|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | [Diagonal Hatching] | [Well Diagram] | | | | 0' | Silty Clay with Trace Gravels and Organic Matter, Dry, Loose, No Odor, 10YR 7/3 Very Pale Brown | 0 |
| 4 | [Diagonal Hatching] | [Well Diagram] | 2.3 | | | 5' | Gravelly Sand, Sand is Medium to Coarse, Gravels <3mm, Trace Rock Fragments, Dry, Loose, No Odor, 10YR 6/4 Light Yellowish Brown | 4 |
| 8 | [Diagonal Hatching] | [Well Diagram] | 2.9 | | | 7' | Fine Sandy Silt, Trace Gravels and Rock Fragments, Harder than Above with Pieces of Consolidated Siltstone, Dry, No Odor, 10YR 6/4 Light Yellowish Brown | 8 |
| 12 | [Diagonal Hatching] | [Well Diagram] | 3.3 | | 10'-15' | 10' | Sandy Silt, Sand Very Fine to Fine, Trace Biotite, Hard but Breaks Easily, Grades to More Compact at 12.5', Dry, No Odor, 10YR 5/6 Yellowish Brown | 12 |
| 16 | [Diagonal Hatching] | [Well Diagram] | | | 15'-20' | 15' | Same as Above, Odor Starting at 17', Grades to Very Hard, Very Compact at 18', Trace Biotite, 10YR 5/4 Yellowish Brown | 16 |
| 20 | [Diagonal Hatching] | [Well Diagram] | 70.6 | | 20'-25' | 20' | Sandy Silt, Moist, Odor, Hard, Semi-Compact, 10YR 5/4 Yellowish Brown | 20 |

REMARKS:

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SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-16</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4863.4'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 11, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|--|-------------|
| 24 | | | 1,069 | | | 22'6" | Very Hard, Very Compact Semi-Consolidated Silt to Siltstone, Very Moist, Odor, 5Y 5/3 Olive | 24 |
| 28 | | | 1,301 | | 25'-30' | 25' | Same as Above, Except Wet, Strong Odor, Red Staining, 5Y 5/2 Olive Gray | 28 |
| 32 | | | 618.9 | | 30'-35' | 30' | Same as Above, Red & Yellow Staining | 32 |
| 36 | | | 594 | | 35'-37'6" | 37'6" | Siltstone, Wet, Hard, Compact, Mostly Consolidated, No Odor, Gley1 4/10GY Dark Greenish Gray | 36 |
| 40 | | | 26.3 | | 37'6"-40' | 40' | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

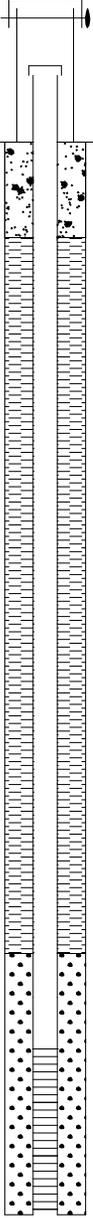
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-17</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4866.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 15, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | |  | | | | 0' | Organic Matter, Moist for Top Foot, Then Dry, Loose, Silty Clay with Trace Organic Matter, 10YR 7/3 Very Pale Brown, No Odor | 0 |
| 4 | | | 0.5 | | | | | 4 |
| 8 | | | 0.8 | | | 7' | Grades to Gravelly Sand, Sand is Fine Grained, Gravels <5mm, Dry, Loose, No Odor, 10YR 7/4 Very Pale Brown | 8 |
| 12 | | | | | | 10' | Gravelly Sand w/Silt, Sand is Very Fine to Fine, Trace Gravels <3mm, Dry, Semi Hard but Breaks Easily, 10YR 5/6 Yellowish Brown, No Odor | 12 |
| 16 | | | 1.1 | | | 13' | Fine Sandy Silt, Hard, Compact, Trace Biotite, Trace Siltstone Fragments, Dry, 10YR 5/6 Yellowish Brown, No Odor | 16 |
| 20 | | | 4.7 | | | 17' | Silt to Siltstone, Very Hard, Very Compact to Consolidated, Trace Biotite, 10YR 5/6 Yellowish Brown, Dry, No Odor | 20 |
| | | | | 20'-25' | | 20' | Same as Above, Except Slight Odor | |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-17</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4866.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 15, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|--|-------------|
| 24 | | | 15.2 | | | 22'6" | Siltstone, Very Hard, Dense, Consolidated, Odor, Slightly Moist, 2.5Y 6/2 Light Brownish Gray | 24 |
| 28 | | | 970.6 | | 25'-30' | 25' | Silt to Siltstone, Hard, Compact, Flakey with Siltstone Parts, Moist to Wet, Trace Biotite, Odor, 2.5Y 6/2 Light Brownish Gray | 28 |
| 32 | | | 1,470 | | 30'-35' | 30' | Same as Above, Plus Yellow and Red Staining and Strong Odor | 32 |
| 36 | | | 217.6 | | | | | 36 |
| 40 | | | 385.4 | | 40'-42' | 42' | | 40 |
| 44 | | | 44 | | 42'-45' | 42' | Silt to Siltstone, Hard, Compact to Consolidated, Flakey, Moist, No Odor, Gley1 4/5G Dark Greenish Gray | 44 |
| | | | | | | 45' | Bottom of Hole | |

REMARKS:

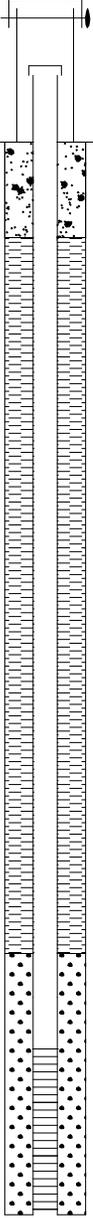
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-18</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4868.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 15, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|--|--------------|---------|-----------------|----------------------|---|-------------|
| 0 | |  | | | | 0' | Organic Matter Top Foot, Then Very Fine Silty Clay, Dry, Loose, 10YR 7/3 Very Pale Brown, No Odor | 0 |
| 4 | | | 0.2 | | | | | 4 |
| 8 | | | 0.5 | | | 8' | Grades to Gravelly Sand, Sand is Fine-Medium Grained, Gravel is <3mm, 10YR 7/4 Very Pale Brown, Dry, Loose, No Odor | 8 |
| | | | | | | 9' | Grades to Very Fine Sandy Silt, Hard, Compact, Trace Biotite, No Odor, 10YR 6/4 Light Yellowish Brown | |
| | | | | | | 10' | Same as Above, Grades to Very hard, Semi-Consolidated at 12.5' | |
| 12 | | | 3.1 | | | | | 12 |
| 16 | | | | | 15'-20' | | | 16 |
| 20 | | | 12.9 | | | 20' | Same as Above, Except Slightly Moist | 20 |
| | | | | | 20'-25' | | | |
| | | | | | | 22' | Silt to Siltstone, Very Hard, Compact, Slight Odor, Moist, 10YR 6/2 | |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-18</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>45'</u> | SCREEN: Diam. <u>4"</u> Length <u>25'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4868.6'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 15, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 24 | | | 32.4 | | 25'-30' | 25' | Light Brownish Gray, Trace Biotite, Semi-Consolidated to Consolidated | 24 |
| 28 | | | 7.9 | | | 30' | Same as Above, Strong Odor, Wet, Yellow Staining, Grades Color to 5Y 6/2 at 29' Light Olive Gray | 28 |
| 32 | | | 0.5 | | | 35' | Silt to Siltstone, Hard, Compact but Crumbly, Trace Biotite, Yellow Staining Increases with Depth, Very Moist to Wet, Odor, 5Y 6/2 Light Olive Gray | 32 |
| 36 | | | 0.5 | | | 40' | Same as Above, Except Consolidated, Slight Odor, Lots of Yellow Staining | 36 |
| 40 | | | 0.0 | | | 45' | Clayey Silt, Hard, Crumbly, Yellow Staining, But No Odor, Wet, Slight Plasticity, 5Y 6/2 Light Olive Gray | 40 |
| 44 | | | | | | Bottom of Hole | 44 | |

REMARKS:

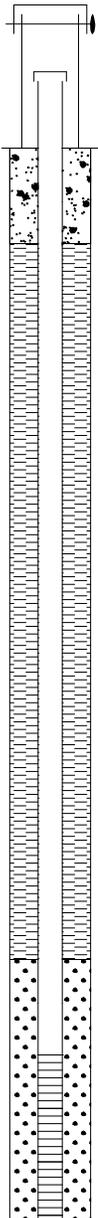
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-19</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4870.2'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 16, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---------------------------|--|--------------|---------|-----------------|----------------------|--|-------------|
| 0 | [Diagonal Hatching] |  | 0.0 | | | 0' | Moist, Organic Matter Top 1.5', Then Very Fine Silty Clay, Dry, Loose, No Odor, 10YR 7/4 Very Pale Brown | 0 |
| 4 | [Dotted Pattern] | | 0.0 | | | 4' | Sandy Silt, Hard, Compact, Trace Calcium Carbonate Deposits, Dry, No Odor, 10YR 7/4 Very Pale Brown | 4 |
| 8 | [Vertical Line Pattern] | | 0.0 | | | 6' | Silty Sand, Sand Very Fine to Fine Grained, Trace Gravels < 3mm, Dry, Trace Siltstone Fragments, No Odor, 10YR 6/4 Light Yellowish Brown, Grades to Hard/Compact at 9' | 8 |
| 12 | [Horizontal Line Pattern] | | 0.0 | | | 10' | Silt/Siltstone, Hard, Compact, but Crumbly, Trace Biotite, 10YR 5/4 Yellowish Brown, Dry, No Odor | 12 |
| 16 | [Vertical Line Pattern] | | 0.0 | | 15'-20' | | | 16 |
| 20 | [Diagonal Hatching] | 0.0 | | 20'-25' | | 19' | Gravelly Sand, Sand is Fine Grained, Gravels < 5mm, Trace Silt and Siltstone Fragments, Moist, No Odor, 10YR 5/6 Yellowish Brown | 20 |
| | | | | | | 20' | Silt to Siltstone with Some Fine Sand, Moist, Hard, Compact, but Crumbly, Trace Gravels < 3mm and Biotite, No Odor, 10YR 5/4 Yellowish Brown | |

REMARKS:

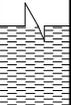
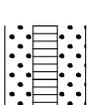
THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-19</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4870.2'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 16, 2016</u> |

PAGE 2 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|---|--------------|---|-----------------|----------------------|--|-------------|
| 24 |  |  | 2.5 |  | | | | 24 |
| 28 | | | 1.5 | | | 28' | Same as Above, but Changes to 5Y 6/2 Light Olive Gray, No Odor | 28 |
| 32 | | | 0.0 | | | 30' | Same as Above, but Very Moist to Wet, Very Slight Odor, Trace Yellow Stains | 32 |
| 36 | | | 0.2 |  | 35'-40' | 35' | Siltstone, Very Hard, Very Compact, Wet, Trace Yellow Stains, No Odor, 5Y 6/2 Light Olive Gray | 36 |
| 40 | | | | | | 40' | Bottom of Hole | 40 |
| 44 | | | | | | | | 44 |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-20</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 16, 2016</u> |

PAGE 1 of 2

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|-------------|-------------------|--------------|---------|-----------------|----------------------|---|-------------|
| 0 | | | 0.0 | | | 0' | Organic Matter Top Foot, Then Very Fine Silty Clay, Dry, Loose, No odor, 10YR 7/3 Very Pale Brown | 0 |
| 4 | | | 0.0 | | | 5' | Gravelly Sand, Sand Fine at Top and Grades to Medium at Bottom, Gravels 3-7mm, Dry, Loose, No Odor, Some Silt, 10YR 6/4 Light Yellowish Brown | 4 |
| 8 | | | 0.0 | | | 14' | Silt with Some Fine Sand and Trace Gravels < 3mm, Hard, Compact, 5Y 6/3 Pale Olive, Dry, No Odor | 8 |
| 12 | | | 0.0 | | | 15' | Silt to Siltstone, Hard, Compact and Semi-Consolidated, Trace Fine Sand and Biotite, Crumbles Easily to Siltstone Fragments, Trace Yellow and Purple Stains, 5Y 6/2 Light Olive Gray, Slightly Moist, No Odor | 12 |
| 16 | | | 0.0 | | 15'-20' | 22' | Same as Above, Except Wet & More Yellow Staining, 5Y 5/3 Olive, | 16 |
| 20 | | | 0.0 | | | | | 20 |

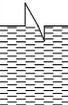
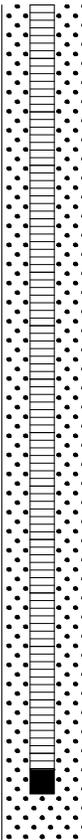
REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

| | |
|--------------------------------------|---|
| PROJECT: <u>Whiting Oil</u> | DRILLING COMPANY: <u>Drilling Engineers</u> |
| PROJECT NUMBER: <u>701530.020.04</u> | DRILLER: <u>Rob</u> |
| CLIENT: <u>Whiting Oil & Gas</u> | DRILLING METHOD: <u>Hollow Stem Auger</u> |
| BORING / WELL NUMBER: <u>MW-20</u> | BORE HOLE DIAMETER: <u>7 7/8"</u> |
| TOTAL DEPTH: <u>40'</u> | SCREEN: Diam. <u>4"</u> Length <u>20'</u> Slot Size <u>0.010</u> |
| SURFACE ELEVATION: <u>4867.0'</u> | CASING: Diam. <u>4"</u> Length <u>23'</u> Type <u>Sch. 40 PVC</u> |
| GEOLOGIST: <u>Jennifer Galles</u> | DATE DRILLED: <u>March 16, 2016</u> |

| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | Depth (FT.) |
|-------------|---|--|--------------|---------|-----------------|----------------------|---|-------------|
| 24 |  |  | 6.8 | | | 25' | No Odor | 24 |
| 28 | | | 4.7 | | | 30' | Siltstone, Very Hard, Compact, Semi-Consolidated, Orange Staining, Wet, No Odor, 5Y 5/3 Olive | 28 |
| 32 | | | 1,196 | | | 35' | Silt to Siltstone, Some Fine Sand, Crumbly, Wet, Yellow Staining and Odor, 5Y 5/3 Olive | 32 |
| 36 | | | 199.6 | | 35'-37'6" | 37'6" | Same as Above, Except also Some clay, Slight Plasticity, Odor, Wet | 36 |
| 40 | | | 9.5 | | 37'6"-40' | 40' | Siltstone with Some Clay, Hard, Dense, Compact, Moist, Slight Plasticity | 40 |
| 44 | | | | | | | Bottom of Hole | 44 |

REMARKS:

THIS WELL DIAGRAM AND BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT



KEY TO SYMBOLS

Symbol Description

Symbol Description

Strata symbols

 Silty low plasticity clay

 Well graded gravel and sand

 Silty sand

 Siltstone

 Low plasticity clay

 Silt

 Poorly graded gravel and sand

 Well graded sand with silt

 Poorly graded gravel with silt

 Inorganic silts and clays

 Well graded sand

 Poorly graded sand

Misc. Symbols

 Boring continues

 Water table at boring completion

Soil Samplers

 Split Spoon sampler

Monitor Well Details

 Capped riser with locking cover

 Concrete seal

 Bentonite pellets

 Silica sand, blank PVC

 Slotted pipe w/ sand

 Endcap on pipe
Packed in sand

 Silica sand, no pipe
(end plug)

Attachment 4
Analytical Reports

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 19, 2016

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 02/12/16 14:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------|---------------|--------|----------------|----------------|
| MW-05@15-20 | 1602102-01 | Soil | 02/11/16 10:40 | 02/12/16 14:45 |
| MW-05@30-35 | 1602102-02 | Soil | 02/11/16 11:10 | 02/12/16 14:45 |
| MW-05@35-39.5 | 1602102-03 | Soil | 02/11/16 11:15 | 02/12/16 14:45 |
| MW-05@39.5-40 | 1602102-04 | Soil | 02/11/16 11:18 | 02/12/16 14:45 |
| MW-06@15-20 | 1602102-05 | Soil | 02/11/16 12:50 | 02/12/16 14:45 |
| MW-06@20-25 | 1602102-06 | Soil | 02/11/16 13:00 | 02/12/16 14:45 |
| MW-06@25-30 | 1602102-07 | Soil | 02/11/16 13:10 | 02/12/16 14:45 |
| MW-06@30-35 | 1602102-08 | Soil | 02/11/16 13:20 | 02/12/16 14:45 |
| MW-06@35-40 | 1602102-09 | Soil | 02/11/16 13:30 | 02/12/16 14:45 |
| MW-06@40-43 | 1602102-10 | Soil | 02/11/16 13:40 | 02/12/16 14:45 |
| MW-06@43-45 | 1602102-11 | Soil | 02/11/16 13:45 | 02/12/16 14:45 |
| MW-07@15-20 | 1602102-12 | Soil | 02/12/16 09:15 | 02/12/16 14:45 |
| MW-07@20-25 | 1602102-13 | Soil | 02/12/16 09:20 | 02/12/16 14:45 |
| MW-07@25-30 | 1602102-14 | Soil | 02/12/16 09:30 | 02/12/16 14:45 |
| MW-07@30-35 | 1602102-15 | Soil | 02/12/16 09:35 | 02/12/16 14:45 |
| MW-07@38-40 | 1602102-16 | Soil | 02/12/16 09:50 | 02/12/16 14:45 |
| MW-08@10-15 | 1602102-17 | Soil | 02/12/16 11:05 | 02/12/16 14:45 |
| MW-08@15-20 | 1602102-18 | Soil | 02/12/16 11:15 | 02/12/16 14:45 |
| MW-08@20-25 | 1602102-19 | Soil | 02/12/16 11:20 | 02/12/16 14:45 |
| MW-08@25-30 | 1602102-20 | Soil | 02/12/16 11:25 | 02/12/16 14:45 |
| MW-08@30-35 | 1602102-21 | Soil | 02/12/16 11:30 | 02/12/16 14:45 |
| MW-08@35-37.5 | 1602102-22 | Soil | 02/12/16 11:45 | 02/12/16 14:45 |
| MW-08@37.5-40 | 1602102-23 | Soil | 02/12/16 11:48 | 02/12/16 14:45 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Summit Scientific

1602102-1

741 Corporate Circle Suite I • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 1 of 3

Client: Talon LPE (Bill Whiting)
Address: _____
City/State/Zip: FTC
Phone: _____ Fax: _____
Sampler Name: J. Leventer / J. Galles

Project Manager: Jennifer Galles
E-Mail: JGalles@TalonLPE.com
Project Name: Nelson C-1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions |
|---|--------------|--------------|----------------------|--|------------------|------|-----------------|---|------|-------------------------|-----------------|--|-----|-----|----------------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | BTEX | GRU | DRO | |
| MW-05@15-20 | 2.11.16 | 10:40 | 1 | | | X | | X | | | | X | X | X | |
| MW-05@30-35 | 2.11.16 | 11:10 | | | | | | | | | | | | | |
| MW-05@35-39.5 | 2.11.16 | 11:15 | | | | | | | | | | | | | |
| MW-05@39.5-40 | 2.11.16 | 11:18 | | | | | | | | | | | | | |
| MW-06@15-20 | 2.11.16 | 12:50 | | | | | | | | | | | | | |
| MW-06@20-25 | 2.11.16 | 13:00 | | | | | | | | | | | | | |
| MW-06@25-30 | 2.11.16 | 13:10 | | | | | | | | | | | | | |
| MW-06@30-35 | 2.11.16 | 13:20 | | | | | | | | | | | | | |
| MW-06@35-40 | 2.11.16 | 13:30 | | | | | | | | | | | | | |
| MW-06@40-43 | 2.11.16 | 13:40 | | | | | | | | | | | | | |
| Relinquished by: _____ Date/Time: _____ | | | | Received by: _____ Date/Time: _____ | | | | Turn Around Time (Check) | | | | Notes: | | | |
| _____ 14:45 2.12.16 | | | | _____ 2-12-16 14:45 | | | | Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> | | | | Standard <input checked="" type="checkbox"/> | | | |
| _____ 2-12-16 18:00 | | | | _____ _____ | | | | 24 Hours <input type="checkbox"/> | | | | | | | |
| _____ _____ | | | | Received in Lab by: _____ Date/Time: _____ | | | | 48 Hours <input type="checkbox"/> | | | | | | | |
| | | | | | | | | Sample Integrity: | | | | | | | |
| | | | | | | | | Temperature Upon Receipt: <u>6.7°c</u> | | | | | | | |
| | | | | | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | |

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Summit Scientific

1602102.2

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 2 of 3

Client: Talon LPE (BW Monitoring)
Address: _____
City/State/Zip: FE
Phone: _____ Fax: _____
Sampler Name: J. Leventon / J Galles

Project Manager: Jennifer Galles
E-Mail: JGalles@TalonLPE.com
Project Name: Nelson C-1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions | |
|---|--------------|--------------|----------------------|---|------------------|------|-----------------|--|------|-------------------------|-----------------|--------|---|---|----------------------|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | | | | | |
| MW-06@43-45 | 2.11.16 | 15:43 | 1 | | | X | | | | | | | X | X | X | |
| MW-07@15-20 | 2.12.16 | 9:15 | | | | | | | | | | | | | | |
| MW-07@20-25 | 2.12.16 | 9:20 | | | | | | | | | | | | | | |
| MW-07@25-30 | 2.12.16 | 9:30 | | | | | | | | | | | | | | |
| MW-07@30-35 | 2.12.16 | 9:35 | | | | | | | | | | | | | | |
| MW-07@38-40 | 2.12.16 | 9:50 | | | | | | | | | | | | | | |
| MW-08@10-15 | 2.12.16 | 11:05 | | | | | | | | | | | | | | |
| MW-08@15-20 | 2.12.16 | 11:15 | | | | | | | | | | | | | | |
| MW-08@20-25 | 2.12.16 | 11:20 | | | | | | | | | | | | | | |
| MW-08@25-30 | 2.12.16 | 11:25 | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> Date/Time: <u>14:45 2.12.16</u> | | | | Received by: <u>[Signature]</u> Date/Time: <u>2-12-16 14:45</u> | | | | Turn Around Time (Check) | | | | Notes: | | | | |
| | | | | | | | | Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> | | | | | | | | |
| | | | | | | | | 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | | | | | | | | |
| | | | | | | | | 48 Hours <input type="checkbox"/> | | | | | | | | |
| Relinquished by: <u>[Signature]</u> Date/Time: <u>2-12-16 15:00</u> | | | | Received by: _____ Date/Time: _____ | | | | Sample Integrity: | | | | | | | | |
| Relinquished by: _____ Date/Time: _____ | | | | Received in Lab by: _____ Date/Time: _____ | | | | Temperature Upon Receipt: <u>6.7°C</u> | | | | | | | | |
| | | | | | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | |

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Summit Scientific

1602102.3

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 3 of 3

| | |
|---|---|
| Client: <u>Talon LPE (Bill Whiting)</u> | Project Manager: <u>Jennifer Galles</u> |
| Address: _____ | E-Mail: _____ |
| City/State/Zip: <u>FTC</u> | Project Name: <u>Nelson C-1</u> |
| Phone: _____ Fax: _____ | Project Number: <u>701530.020.04</u> |
| Sampler Name: <u>J. Laerton / J. Galles</u> | |

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | | | Special Instructions | | | | | |
|-------------------------------------|---------------------------------|--------------------|----------------------|---|--------------------------|----------|-------------------------------------|-------------|------|-------------------------|-----------------|-----|-----|-----|--|--|----------------------|--|--|--|--|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | DTX | DRD | GRP | | | | | | | | |
| MW-08@30-35 | 2.12.16 | 11:30 | 1 | | X | | | X | | | | X | X | X | | | | | | | | |
| MW-08@35-37.5 | 2.12.16 | 11:45 | 1 | | X | | | X | | | | X | X | X | | | | | | | | |
| MW-08@37.5-40 | 2.12.16 | 11:48 | 1 | | X | | | X | | | | X | X | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>14:45 2.12.16</u> | Received by: _____ | Date/Time: _____ | Turn Around Time (Check) | | | | Notes: | | | | | | | | | | | | | | |
| | | | | Same Day | <input type="checkbox"/> | 72 Hours | <input type="checkbox"/> | | | | | | | | | | | | | | | |
| | | | | 24 Hours | <input type="checkbox"/> | Standard | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| | | | | 48 Hours | <input type="checkbox"/> | | | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>2-12-16 19:00</u> | Received by: _____ | Date/Time: _____ | Sample Integrity: | | | | | | | | | | | | | | | | | | |
| | | | | Temperature Upon Receipt: <u>67°</u> | | | | | | | | | | | | | | | | | | |
| | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-05@15-20
1602102-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 89.6 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.9 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-05@30-35
1602102-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 88.4 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.0033 | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | 0.013 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.028 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 0.77 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-05@35-39.5
1602102-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 93.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.014 | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | 0.022 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.0073 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.081 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 13 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-05@39.5-40
1602102-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 11:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 11:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 73.5 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 11:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 11:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.7 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@15-20
1602102-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 85.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.1 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@20-25
1602102-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 86.2 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.3 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@25-30
1602102-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 88.0 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 0.82 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 13:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.9 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@30-35
1602102-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 330 | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 93.0 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | 0.11 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.68 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 4.3 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 870 | 50 | " | 100 | " | " | 02/17/16 | " | |

Date Sampled: **02/11/16 13:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 107 % | 23-173 | | " | " | 02/18/16 | " | |
| <i>Surrogate: Toluene-d8</i> | | 72.4 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 202 % | 21-167 | | " | " | " | " | S-02 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@35-40
1602102-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 86.5 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 13:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@40-43
1602102-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 87.6 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane- <i>d</i> 4 | | 112 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene- <i>d</i> 8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-06@43-45
1602102-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/11/16 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/11/16 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 86.3 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/11/16 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/11/16 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.0 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-07@15-20
1602102-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 92.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-07@20-25
1602102-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 93.6 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 0.98 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-07@25-30
1602102-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 150 | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 95.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.0040 | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | 0.054 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.12 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 1.2 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 250 | 50 | " | 100 | " | " | 02/17/16 | " | |

Date Sampled: **02/12/16 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 105 % | 23-173 | | " | " | 02/18/16 | " | |
| <i>Surrogate: Toluene-d8</i> | | 95.9 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 125 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-07@30-35
1602102-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 09:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 09:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 94.2 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 09:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 09:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.6 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-07@38-40
1602102-16 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 91.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 112 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@10-15
1602102-17 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 93.5 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/17/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 120 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@15-20
1602102-18 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 86 | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 93.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.073 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.81 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 86 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 109 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 91.6 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 110 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@20-25
1602102-19 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 100 | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 94.1 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | 0.031 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.019 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.18 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 76 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 110 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 96.8 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.0 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@25-30
1602102-20 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 110 | 50 | mg/kg | 1 | 1602159 | 02/17/16 | 02/18/16 | 8015M | |

Date Sampled: **02/12/16 11:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 93.0 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.0033 | 0.0020 | mg/kg | 1 | 1602146 | 02/16/16 | 02/18/16 | EPA 8260B | |
| Toluene | 0.011 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.013 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.17 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 90 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 104 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 98.6 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.4 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@30-35
1602102-21 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602140 | 02/16/16 | 02/17/16 | 8015M | |

Date Sampled: **02/12/16 11:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 87.4 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602158 | 02/17/16 | 02/19/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 5.2 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@35-37.5
1602102-22 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602140 | 02/16/16 | 02/17/16 | 8015M | |

Date Sampled: **02/12/16 11:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 89.2 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.0032 | 0.0020 | mg/kg | 1 | 1602158 | 02/17/16 | 02/19/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 15 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 109 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

MW-08@37.5-40
1602102-23 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/12/16 11:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1602140 | 02/16/16 | 02/17/16 | 8015M | |

Date Sampled: **02/12/16 11:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 85.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/12/16 11:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1602158 | 02/17/16 | 02/19/16 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **02/12/16 11:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602140 - EPA 3550A

| Blank (1602140-BLK1) | | | | | | | | | | |
|--|------|----|---------------------------|-------------------------------|------|------|--------|------|----|-------------------------------|
| | | | | | | | | | | Prepared & Analyzed: 02/16/16 |
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 11.1 | | " | 12.5 | | 88.8 | 30-150 | | | |
| LCS (1602140-BS1) | | | | | | | | | | |
| | | | | | | | | | | Prepared & Analyzed: 02/16/16 |
| C10-C28 (DRO) | 461 | 50 | mg/kg | 499 | | 92.3 | 73-134 | | | |
| Surrogate: o-Terphenyl | 11.9 | | " | 12.5 | | 95.2 | 30-150 | | | |
| Matrix Spike (1602140-MS1) | | | | | | | | | | |
| | | | Source: 1602083-01 | Prepared & Analyzed: 02/16/16 | | | | | | |
| C10-C28 (DRO) | 1220 | 50 | mg/kg | 475 | 1190 | 5.64 | 50-148 | | | QM-07 |
| Surrogate: o-Terphenyl | 11.4 | | " | 11.9 | | 95.7 | 30-150 | | | |
| Matrix Spike Dup (1602140-MSD1) | | | | | | | | | | |
| | | | Source: 1602083-01 | Prepared & Analyzed: 02/16/16 | | | | | | |
| C10-C28 (DRO) | 1340 | 50 | mg/kg | 486 | 1190 | 30.1 | 50-148 | 9.35 | 13 | QM-07 |
| Surrogate: o-Terphenyl | 10.9 | | " | 12.2 | | 89.3 | 30-150 | | | |

Batch 1602159 - EPA 3550A

| Blank (1602159-BLK1) | | | | | | | | | | |
|-----------------------------------|------|----|---------------------------|---------------------------------------|----|------|--------|--|--|---------------------------------------|
| | | | | | | | | | | Prepared: 02/17/16 Analyzed: 02/18/16 |
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 11.2 | | " | 12.5 | | 89.5 | 30-150 | | | |
| LCS (1602159-BS1) | | | | | | | | | | |
| | | | | | | | | | | Prepared: 02/17/16 Analyzed: 02/18/16 |
| C10-C28 (DRO) | 442 | 50 | mg/kg | 499 | | 88.5 | 73-134 | | | |
| Surrogate: o-Terphenyl | 11.3 | | " | 12.5 | | 90.4 | 30-150 | | | |
| Matrix Spike (1602159-MS1) | | | | | | | | | | |
| | | | Source: 1602102-01 | Prepared: 02/17/16 Analyzed: 02/18/16 | | | | | | |
| C10-C28 (DRO) | 430 | 50 | mg/kg | 488 | ND | 88.1 | 50-148 | | | |
| Surrogate: o-Terphenyl | 11.0 | | " | 12.2 | | 90.1 | 30-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Jennifer Galles

Reported:
 02/19/16 10:56

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602159 - EPA 3550A

| Matrix Spike Dup (1602159-MSD1) | Source: 1602102-01 | | | Prepared: 02/17/16 | | Analyzed: 02/18/16 | | | | |
|--|---------------------------|----|----------|--------------------|----|--------------------|---------------|--------|----|--|
| C10-C28 (DRO) | 430 | 50 | mg/kg | 488 | ND | 88.2 | 50-148 | 0.0812 | 13 | |
| <i>Surrogate: o-Terphenyl</i> | <i>11.1</i> | | <i>"</i> | <i>12.2</i> | | <i>90.8</i> | <i>30-150</i> | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602146 - EPA 5030 Soil MS

Blank (1602146-BLK1)

Prepared: 02/16/16 Analyzed: 02/17/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0436</i> | | <i>"</i> | <i>0.0400</i> | | <i>109</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0393</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.2</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0388</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.9</i> | <i>21-167</i> | | | |

LCS (1602146-BS1)

Prepared: 02/16/16 Analyzed: 02/17/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | 0.117 | 0.0020 | mg/kg | 0.100 | | 117 | 58-130 | | | |
| Toluene | 0.103 | 0.0050 | " | 0.100 | | 103 | 61-134 | | | |
| Ethylbenzene | 0.137 | 0.0050 | " | 0.0992 | | 138 | 74-139 | | | |
| m,p-Xylene | 0.260 | 0.010 | " | 0.200 | | 130 | 73-137 | | | |
| o-Xylene | 0.125 | 0.0050 | " | 0.0980 | | 127 | 73-141 | | | |
| Xylenes (total) | 0.384 | 0.0050 | " | | | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 2.55 | 0.50 | " | | | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0412</i> | | <i>"</i> | <i>0.0400</i> | | <i>103</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0396</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.9</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0394</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.6</i> | <i>21-167</i> | | | |

Matrix Spike (1602146-MS1)

Source: 1602102-01

Prepared: 02/16/16 Analyzed: 02/17/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|---------------|--|--|--|
| Benzene | 0.117 | 0.0020 | mg/kg | 0.100 | ND | 117 | 30-131 | | | |
| Toluene | 0.104 | 0.0050 | " | 0.100 | ND | 104 | 30-134 | | | |
| Ethylbenzene | 0.141 | 0.0050 | " | 0.0992 | ND | 142 | 22-153 | | | |
| m,p-Xylene | 0.267 | 0.010 | " | 0.200 | ND | 134 | 10-159 | | | |
| o-Xylene | 0.130 | 0.0050 | " | 0.0980 | ND | 133 | 31-151 | | | |
| Xylenes (total) | 0.397 | 0.0050 | " | | ND | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 2.64 | 0.50 | " | | ND | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0416</i> | | <i>"</i> | <i>0.0400</i> | | <i>104</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0390</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.5</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0403</i> | | <i>"</i> | <i>0.0400</i> | | <i>101</i> | <i>21-167</i> | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602146 - EPA 5030 Soil MS

| Matrix Spike Dup (1602146-MSD1) | Source: 1602102-01 | | | Prepared: 02/16/16 | | Analyzed: 02/17/16 | | | |
|---|---------------------------|--------|----------|--------------------|----|--------------------|---------------|--------|----|
| Benzene | 0.118 | 0.0020 | mg/kg | 0.100 | ND | 118 | 30-131 | 0.332 | 34 |
| Toluene | 0.103 | 0.0050 | " | 0.100 | ND | 103 | 30-134 | 1.56 | 30 |
| Ethylbenzene | 0.141 | 0.0050 | " | 0.0992 | ND | 142 | 22-153 | 0.234 | 24 |
| m,p-Xylene | 0.268 | 0.010 | " | 0.200 | ND | 134 | 10-159 | 0.303 | 68 |
| o-Xylene | 0.129 | 0.0050 | " | 0.0980 | ND | 132 | 31-151 | 0.881 | 38 |
| Xylenes (total) | 0.397 | 0.0050 | " | | ND | | 30-150 | 0.0832 | 20 |
| Gasoline Range Hydrocarbons | 2.59 | 0.50 | " | | ND | | 30-150 | 2.05 | 20 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0411</i> | | <i>"</i> | <i>0.0400</i> | | <i>103</i> | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0388</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.9</i> | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0394</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.6</i> | <i>21-167</i> | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
02/19/16 10:56

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 24, 2016

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 02/17/16 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
02/24/16 16:26

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | 1602138-01 | Water | 02/17/16 12:00 | 02/17/16 17:00 |
| MW-2 | 1602138-02 | Water | 02/17/16 12:05 | 02/17/16 17:00 |
| MW-4 | 1602138-03 | Water | 02/17/16 12:15 | 02/17/16 17:00 |
| MW-8 | 1602138-04 | Water | 02/17/16 12:25 | 02/17/16 17:00 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 02/24/16 16:26

MW-1
1602138-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/17/16 12:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 15000 | 100 | ug/l | 100 | 1602192 | 02/24/16 | 02/24/16 | EPA 8260B | |
| Toluene | 13000 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 990 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 5500 | 100 | " | " | " | " | " | " | |

Date Sampled: **02/17/16 12:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 98.9 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 97.9 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 96.1 % | 45-146 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 02/24/16 16:26

MW-2
1602138-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/17/16 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 16000 | 100 | ug/l | 100 | 1602192 | 02/24/16 | 02/24/16 | EPA 8260B | |
| Toluene | 14000 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 1400 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 8200 | 100 | " | " | " | " | " | " | |

Date Sampled: **02/17/16 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 97.3 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 97.7 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.2 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 02/24/16 16:26

MW-4
1602138-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/17/16 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 13000 | 100 | ug/l | 100 | 1602192 | 02/24/16 | 02/24/16 | EPA 8260B | |
| Toluene | 15000 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 910 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 5500 | 100 | " | " | " | " | " | " | |

Date Sampled: **02/17/16 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 99.4 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 98.0 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 95.3 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 02/24/16 16:26

MW-8
1602138-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/17/16 12:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 12000 | 100 | ug/l | 100 | 1602192 | 02/24/16 | 02/24/16 | EPA 8260B | |
| Toluene | 13000 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 1000 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 5300 | 100 | " | " | " | " | " | " | |

Date Sampled: **02/17/16 12:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 97.7 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 96.2 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 96.8 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
02/24/16 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602192 - EPA 5030 Water MS

Blank (1602192-BLK1)

Prepared & Analyzed: 02/20/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.4 | | " | 13.3 | | 101 | 37-154 | | | |
| Surrogate: Toluene-d8 | 13.0 | | " | 13.3 | | 97.1 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.0 | | " | 13.3 | | 97.7 | 45-146 | | | |

LCS (1602192-BS1)

Prepared & Analyzed: 02/20/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 41.0 | 1.0 | ug/l | 33.3 | | 123 | 51-132 | | | |
| Toluene | 34.4 | 1.0 | " | 33.3 | | 103 | 51-138 | | | |
| Ethylbenzene | 45.6 | 1.0 | " | 33.1 | | 138 | 58-146 | | | |
| m,p-Xylene | 87.5 | 2.0 | " | 66.5 | | 132 | 57-144 | | | |
| o-Xylene | 42.2 | 1.0 | " | 32.7 | | 129 | 53-146 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.1 | | " | 13.3 | | 98.0 | 37-154 | | | |
| Surrogate: Toluene-d8 | 13.2 | | " | 13.3 | | 99.2 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.3 | | " | 13.3 | | 99.5 | 45-146 | | | |

Matrix Spike (1602192-MS1)

Source: 1602135-01

Prepared & Analyzed: 02/20/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 41.4 | 1.0 | ug/l | 33.3 | ND | 124 | 34-141 | | | |
| Toluene | 35.0 | 1.0 | " | 33.3 | ND | 105 | 27-151 | | | |
| Ethylbenzene | 46.3 | 1.0 | " | 33.1 | ND | 140 | 29-160 | | | |
| m,p-Xylene | 89.3 | 2.0 | " | 66.5 | ND | 134 | 20-166 | | | |
| o-Xylene | 42.5 | 1.0 | " | 32.7 | ND | 130 | 33-159 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.5 | | " | 13.3 | | 101 | 37-154 | | | |
| Surrogate: Toluene-d8 | 13.0 | | " | 13.3 | | 97.1 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.1 | | " | 13.3 | | 98.3 | 45-146 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
02/24/16 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1602192 - EPA 5030 Water MS

| Matrix Spike Dup (1602192-MSD1) | Source: 1602135-01 | | | Prepared & Analyzed: 02/20/16 | | | | | | |
|---|---------------------------|-----|----------|--|----|-------------|---------------|-------|----|--|
| Benzene | 42.4 | 1.0 | ug/l | 33.3 | ND | 127 | 34-141 | 2.24 | 32 | |
| Toluene | 35.1 | 1.0 | " | 33.3 | ND | 105 | 27-151 | 0.200 | 25 | |
| Ethylbenzene | 47.6 | 1.0 | " | 33.1 | ND | 144 | 29-160 | 2.60 | 50 | |
| m,p-Xylene | 91.8 | 2.0 | " | 66.5 | ND | 138 | 20-166 | 2.75 | 36 | |
| o-Xylene | 43.9 | 1.0 | " | 32.7 | ND | 134 | 33-159 | 3.31 | 26 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>13.5</i> | | <i>"</i> | <i>13.3</i> | | <i>101</i> | <i>37-154</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>12.9</i> | | <i>"</i> | <i>13.3</i> | | <i>96.7</i> | <i>45-149</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>13.4</i> | | <i>"</i> | <i>13.3</i> | | <i>100</i> | <i>45-146</i> | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
02/24/16 16:26

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 18, 2016

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/10/16 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|----------------|
| MW-9@10-15' | 1603086-01 | Soil | 03/07/16 13:35 | 03/10/16 17:00 |
| MW-9@15-20' | 1603086-02 | Soil | 03/08/16 09:15 | 03/10/16 17:00 |
| MW-9@30-35' | 1603086-03 | Soil | 03/08/16 09:55 | 03/10/16 17:00 |
| MW-10@15-20' | 1603086-04 | Soil | 03/08/16 12:38 | 03/10/16 17:00 |
| MW-10@30-35' | 1603086-05 | Soil | 03/08/16 13:15 | 03/10/16 17:00 |
| MW-10@35-40' | 1603086-06 | Soil | 03/08/16 13:25 | 03/10/16 17:00 |
| MW-11@15-20' | 1603086-07 | Soil | 03/08/16 15:28 | 03/10/16 17:00 |
| MW-11@20-25' | 1603086-08 | Soil | 03/08/16 15:42 | 03/10/16 17:00 |
| MW-11@25-30' | 1603086-09 | Soil | 03/08/16 15:56 | 03/10/16 17:00 |
| MW-11@40-45' | 1603086-10 | Soil | 03/08/16 09:50 | 03/10/16 17:00 |
| MW-12@15-20' | 1603086-11 | Soil | 03/09/16 14:30 | 03/10/16 17:00 |
| MW-12@20-25' | 1603086-12 | Soil | 03/09/16 14:47 | 03/10/16 17:00 |
| MW-12@35-40' | 1603086-13 | Soil | 03/09/16 15:26 | 03/10/16 17:00 |
| MW-13@10-15' | 1603086-14 | Soil | 03/10/16 09:57 | 03/10/16 17:00 |
| MW-13@15-20' | 1603086-15 | Soil | 03/10/16 10:18 | 03/10/16 17:00 |
| MW-13@35-40' | 1603086-16 | Soil | 03/10/16 11:15 | 03/10/16 17:00 |
| MW-14@10-15' | 1603086-17 | Soil | 03/10/16 13:58 | 03/10/16 17:00 |
| MW-14@20-25' | 1603086-18 | Soil | 03/10/16 14:24 | 03/10/16 17:00 |
| MW-14@30-35' | 1603086-19 | Soil | 03/10/16 14:48 | 03/10/16 17:00 |
| MW-14@35-40' | 1603086-20 | Soil | 03/10/16 15:00 | 03/10/16 17:00 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

1603086.1

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5913 Fax

Page 1 of 3

Client: Talon/LPE Bill to Whiting
Address: 1811 E Mulberry St
City/State/Zip: Ft Collins, CO 80524
Phone: 970-819-5330 Fax:
Sampler Name: J. Galles

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com
Project Name: Nelson C1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | Matrix | | | Analyze For: | | | | Special Instructions | |
|--------------------|----------------------|--------------|----------------------|--|------------------|------|-----------------|-------------|------|--------------------------|-----------------|------|-----|----------------------|-----|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Container Serial # | Other (Specify) | BTEX | GRO | | DRO |
| MW-9@10-15' | 3/7/16 | 1225 | 1 | | | X | | | | | | X | X | X | |
| MW-9@15-20' | 3/8/16 | 0915 | 1 | | | X | | | | | | X | X | X | |
| MW-9@30-35' | 3/8/16 | 0955 | 1 | | | X | | | | | | X | X | X | |
| MW-10@15-20' | 3/8/16 | 1238 | 1 | | | X | | | | | | X | X | X | |
| MW-10@30-35' | 3/8/16 | 1315 | 1 | | | X | | | | | | X | X | X | |
| MW-10@35-40' | 3/8/16 | 1325 | 1 | | | X | | | | | | X | X | X | |
| MW-11@15-20' | 3/8/16 | 1528 | 1 | | | X | | | | | | X | X | X | |
| MW-11@20-25' | 3/8/16 | 1542 | 1 | | | X | | | | | | X | X | X | |
| MW-11@25-30' | 3/8/16 | 1556 | 1 | | | X | | | | | | X | X | X | |
| MW-11@40-45' | 3/9/16 | 0950 | 1 | | | X | | | | | | X | X | X | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Turn Around Time (Check) | | | | Notes: | | | | | | | |
| <u>KA</u> | <u>3-10-16 1700</u> | <u>KA</u> | <u>3-10-16 17:00</u> | Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> | | | | | | | | | | | |
| | | | | 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | | | | | | | | | | | |
| | | | | 48 Hours <input type="checkbox"/> | | | | | | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | | | | | | | | | | | |
| <u>KA</u> | <u>3-10-16 18:30</u> | | | Temperature Upon Receipt: | | | | | | | | | | | |
| | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | |

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

1603086-2

Page 2 of 3

Client: Talon/LPE Bill to Inhibiting
Address: 1811 E Mulberry St
City/State/Zip: Ft Collins, CO 80524
Phone: 970-819-5330 Fax:
Sampler Name: J. Galles

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com
Project Name: Nelson C1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions |
|--------------------|---------------|---------------------|----------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------|--------------------------|-----------------|-------------------------------------|----------|--------------------------|-------------|----------------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Soil | Air - Container Serial # | Other (Specify) | BTEX | GREO | DEO | Naphthalene | |
| MW-12 @ 15-20' | 3/9/16 | 1420 | 1 | | X | | | X | | | X | X | X | | |
| MW-12 @ 20-25' | | 1447 | 1 | | X | | | X | | | | | | | |
| MW-12 @ 25-40' | | 1526 | 1 | | X | | | X | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Turn Around Time (Check) | | | | Notes: | | | | | | | |
| <i>JG</i> | 3-10-16 17:00 | <i>JG</i> | 3-10-16 17:00 | Same Day | <input type="checkbox"/> | 72 Hours | <input type="checkbox"/> | 24 Hours | <input type="checkbox"/> | Standard | <input checked="" type="checkbox"/> | 48 Hours | <input type="checkbox"/> | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | | | | | | | | | | | |
| <i>JG</i> | 3-10-16 19:30 | | | Temperature Upon Receipt: | | | | | | | | | | | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | Intact: | Yes | No | | | | | | | | | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | |

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

1603086.3

Summit Scientific

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303-277-9310 • 303-374-5933 Fax

Page 3 of 3

Client: Talon/LPE Bill to Whiting
Address: 1811 E Mulberry St
City/State/Zip: Ft Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name: J. Galles

Project Manager: Jennifer Galles
E-Mail: galles@talonlpe.com
Project Name: Nelson C1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|--------------------------|-----------------|------|-----|-----|----------------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Container Serial # | Other (Specify) | BTEX | GRD | DRD | |
| MW-13 @ 10-15' | 3/10/16 | 0957 | 1 | | | X | | | | | | X | X | X | |
| MW-13 @ 15-20' | | 1010 | 1 | | | X | | | | | | | | | |
| MW-13 @ 25-40' | | 1115 | 1 | | | | | | | | | | | | |
| MW-14 @ 10-15' | | 1358 | 1 | | | | | | | | | | | | |
| MW-14 @ 20-25' | | 1424 | 1 | | | | | | | | | | | | |
| MW-14 @ 30-35' | | 1448 | 1 | | | | | | | | | | | | |
| MW-14 @ 35-40' | | 1500 | 1 | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---|---|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>3-10-16 17:00</u> | Received by: <u>[Signature]</u> | Date/Time: <u>3-10-16 17:00</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>3-10-16 18:30</u> | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | 24 Hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | 48 Hours <input type="checkbox"/> | |
| | | | | Sample Integrity: | |
| | | | | Temperature Upon Receipt: | |
| | | | | Intact: Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-9@10-15'
1603086-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/07/16 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/12/16 | 8015M | |

Date Sampled: **03/07/16 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/07/16 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/07/16 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.4 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-9@15-20'
1603086-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/12/16 | 8015M | |

Date Sampled: **03/08/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 09:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-9@30-35'
1603086-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/12/16 | 8015M | |

Date Sampled: **03/08/16 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 118 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.9 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-10@15-20'
1603086-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 12:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/12/16 | 8015M | |

Date Sampled: **03/08/16 12:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 12:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 12:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane- <i>d</i> 4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene- <i>d</i> 8 | | 98.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-10@30-35'
1603086-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/12/16 | 8015M | |

Date Sampled: **03/08/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.6 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-10@35-40'
1603086-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 13:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/13/16 | 8015M | |

Date Sampled: **03/08/16 13:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 105 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 13:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 13:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-11@15-20'
1603086-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 15:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/13/16 | 8015M | |

Date Sampled: **03/08/16 15:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 15:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 15:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-11@20-25'
1603086-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 15:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/13/16 | 8015M | |

Date Sampled: **03/08/16 15:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 15:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/14/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 15:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-11@25-30'
1603086-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 15:56**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/13/16 | 8015M | |

Date Sampled: **03/08/16 15:56**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 115 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 15:56**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 15:56**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-11@40-45'
1603086-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/08/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/13/16 | 8015M | |

Date Sampled: **03/08/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/08/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/08/16 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-12@15-20'
1603086-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/16 14:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/09/16 14:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/16 14:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/16 14:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.4 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-12@20-25'
1603086-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/16 14:47**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/09/16 14:47**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 106 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/16 14:47**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/16 14:47**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 113 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-12@35-40'
1603086-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/16 15:26**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/09/16 15:26**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/16 15:26**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/16 15:26**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-13@10-15'
1603086-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 09:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 09:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 09:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 09:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.7 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-13@15-20'
1603086-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 10:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 10:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 112 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 10:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 10:18**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.6 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-13@35-40'
1603086-16 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 115 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.0 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-14@10-15'
1603086-17 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 13:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 13:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 13:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 13:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 114 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.3 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-14@20-25'
1603086-18 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 14:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 14:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 103 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 14:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 14:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.9 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-14@30-35'
1603086-19 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 14:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 14:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 14:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 14:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

MW-14@35-40'
1603086-20 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603124 | 03/11/16 | 03/15/16 | 8015M | |

Date Sampled: **03/10/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 107 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603136 | 03/14/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch 1603124 - EPA 3550A

Blank (1603124-BLK1)

Prepared: 03/11/16 Analyzed: 03/12/16

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|-----|--------|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 14.3 | | " | 12.5 | | 114 | 30-150 | | | | |

LCS (1603124-BS1)

Prepared: 03/11/16 Analyzed: 03/12/16

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|-----|--------|--|--|--|--|
| C10-C28 (DRO) | 279 | 50 | mg/kg | 250 | | 112 | 73-134 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 14.2 | | " | 12.5 | | 113 | 30-150 | | | | |

Matrix Spike (1603124-MS1)

Source: 1603086-01

Prepared: 03/11/16 Analyzed: 03/12/16

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|--|--|--|--|
| C10-C28 (DRO) | 288 | 50 | mg/kg | 468 | 25.3 | 56.0 | 50-148 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.9 | | " | 11.7 | | 110 | 30-150 | | | | |

Matrix Spike Dup (1603124-MSD1)

Source: 1603086-01

Prepared: 03/11/16 Analyzed: 03/12/16

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|------|----|--|-------|
| C10-C28 (DRO) | 249 | 50 | mg/kg | 460 | 25.3 | 48.7 | 50-148 | 14.3 | 13 | | QM-07 |
| Surrogate: <i>o</i> -Terphenyl | 12.6 | | " | 11.5 | | 109 | 30-150 | | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603136 - EPA 5030 Soil MS

Blank (1603136-BLK1)

Prepared & Analyzed: 03/14/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0392</i> | | <i>"</i> | <i>0.0396</i> | | <i>98.9</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0394</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.4</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0405</i> | | <i>"</i> | <i>0.0400</i> | | <i>101</i> | <i>21-167</i> | | | |

LCS (1603136-BS1)

Prepared & Analyzed: 03/14/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.0929 | 0.0020 | " | 0.100 | | 92.9 | 58-130 | | | |
| Toluene | 0.103 | 0.0050 | " | 0.100 | | 103 | 61-134 | | | |
| Ethylbenzene | 0.107 | 0.0050 | " | 0.0992 | | 108 | 74-139 | | | |
| m,p-Xylene | 0.201 | 0.010 | " | 0.200 | | 101 | 73-137 | | | |
| o-Xylene | 0.0980 | 0.0050 | " | 0.0984 | | 99.6 | 73-141 | | | |
| Xylenes (total) | 0.299 | 0.010 | " | | | | 0-200 | | | |
| Gasoline Range Hydrocarbons | 2.43 | 0.50 | " | | | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0365</i> | | <i>"</i> | <i>0.0396</i> | | <i>92.1</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0420</i> | | <i>"</i> | <i>0.0400</i> | | <i>105</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0394</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.6</i> | <i>21-167</i> | | | |

Matrix Spike (1603136-MS1)

Source: 1603086-01

Prepared & Analyzed: 03/14/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.100 | 0.0020 | " | 0.0994 | ND | 101 | 30-131 | | | |
| Toluene | 0.107 | 0.0050 | " | 0.0994 | ND | 107 | 30-134 | | | |
| Ethylbenzene | 0.117 | 0.0050 | " | 0.0986 | ND | 119 | 22-153 | | | |
| m,p-Xylene | 0.220 | 0.010 | " | 0.198 | ND | 111 | 10-159 | | | |
| o-Xylene | 0.108 | 0.0050 | " | 0.0978 | ND | 111 | 31-151 | | | |
| Xylenes (total) | 0.328 | 0.010 | " | | ND | | 30-160 | | | |
| Gasoline Range Hydrocarbons | 2.66 | 0.50 | " | | ND | | 30-160 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0383</i> | | <i>"</i> | <i>0.0394</i> | | <i>97.2</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0398</i> | | <i>100</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0401</i> | | <i>"</i> | <i>0.0398</i> | | <i>101</i> | <i>21-167</i> | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|-----------|-------|----------------|------------------|-------|------|--------|-----|-------|
| | Result | Limit | | | Units | %REC | Limits | RPD | |

Batch 1603136 - EPA 5030 Soil MS

| Matrix Spike Dup (1603136-MSD1) | Source: 1603086-01 | | | Prepared & Analyzed: 03/14/16 | | | | | |
|----------------------------------|--------------------|--------|-------|-------------------------------|----|------|--------|------|----|
| Naphthalene | ND | 0.010 | mg/kg | ND | | | 10-158 | | 42 |
| Benzene | 0.102 | 0.0020 | " | 0.0986 | ND | 103 | 30-131 | 1.53 | 34 |
| Toluene | 0.111 | 0.0050 | " | 0.0986 | ND | 112 | 30-134 | 3.56 | 30 |
| Ethylbenzene | 0.122 | 0.0050 | " | 0.0978 | ND | 125 | 22-153 | 3.80 | 24 |
| m,p-Xylene | 0.229 | 0.010 | " | 0.197 | ND | 116 | 10-159 | 4.22 | 68 |
| o-Xylene | 0.114 | 0.0050 | " | 0.0970 | ND | 118 | 31-151 | 5.37 | 38 |
| Xylenes (total) | 0.344 | 0.010 | " | | ND | | 30-160 | 4.60 | 30 |
| Gasoline Range Hydrocarbons | 2.87 | 0.50 | " | | ND | | 30-160 | 7.59 | 30 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0382 | | " | 0.0391 | | 97.8 | 23-173 | | |
| Surrogate: Toluene-d8 | 0.0399 | | " | 0.0394 | | 101 | 20-170 | | |
| Surrogate: 4-Bromofluorobenzene | 0.0399 | | " | 0.0394 | | 101 | 21-167 | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:01

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 18, 2016

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/11/16 17:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|----------------|----------------|
| MW-15@15-20' | 1603093-01 | Soil | 03/11/16 10:08 | 03/11/16 17:35 |
| MW-15@20-25' | 1603093-02 | Soil | 03/11/16 10:22 | 03/11/16 17:35 |
| MW-15@25-30' | 1603093-03 | Soil | 03/11/16 10:35 | 03/11/16 17:35 |
| MW-15@30-34.5' | 1603093-04 | Soil | 03/11/16 11:00 | 03/11/16 17:35 |
| MW-15@34.5-35' | 1603093-05 | Soil | 03/11/16 11:05 | 03/11/16 17:35 |
| MW-16@10-15' | 1603093-06 | Soil | 03/11/16 13:05 | 03/11/16 17:35 |
| MW-16@15-20' | 1603093-07 | Soil | 03/11/16 13:15 | 03/11/16 17:35 |
| MW-16@20-25' | 1603093-08 | Soil | 03/11/16 13:28 | 03/11/16 17:35 |
| MW-16@25-30' | 1603093-09 | Soil | 03/11/16 13:40 | 03/11/16 17:35 |
| MW-16@30-35' | 1603093-10 | Soil | 03/11/16 13:50 | 03/11/16 17:35 |
| MW-16@35-37.5' | 1603093-11 | Soil | 03/11/16 14:10 | 03/11/16 17:35 |
| MW-16@37.5-40' | 1603093-12 | Soil | 03/11/16 14:15 | 03/11/16 17:35 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Summit Scientific

1603093.1

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 1 of 2

Client: Talon/LPE Bill to Inhibiting
Address: 1811 E Mulberry St
City/State/Zip: Fort Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name:

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com
Project Name: Nelson C1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions |
|-------------------------------------|--------------|---------------------------------|---------------------------------|--------------|---------------------------------|---|-----------------|--------------------------|--|------|--------------|-----|-----------|---|----------------------|
| | | | | HCl | BiNO ₃ | None | Other (Specify) | Air - Container Serial # | Other (Specify) | BTEX | GR0 | DPO | Negatives | | |
| MW-15 @ 15-20' | 3/11/16 | 1008 | 1 | | | X | | | | | | X | X | X | |
| MW-15 @ 20-25' | | 1022 | | | | | | | | | | | | | |
| MW-15 @ 25-30' | | 1035 | | | | | | | | | | | | | |
| MW-15 @ 30-34.5' | | 1100 | | | | | | | | | | | | | |
| MW-15 @ 34.5-35' | | 1105 | | | | | | | | | | | | | |
| MW-16 @ 10-15' | | 15:05 | | | | | | | | | | | | | |
| MW-16 @ 15-20' | | 13:15 | | | | | | | | | | | | | |
| MW-16 @ 20-25' | | 13:28 | | | | | | | | | | | | | |
| MW-16 @ 25-30' | | 13:40 | | | | | | | | | | | | | |
| MW-16 @ 30-35' | | 13:50 | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | | Date/Time: <u>3-11-16 17:35</u> | Received by: <u>[Signature]</u> | | Date/Time: <u>3-11-16 17:35</u> | Turn Around Time (Check) | | | Notes: | | | | | | |
| | | | | | | Same Day <input type="checkbox"/> | | | 72 Hours <input type="checkbox"/> | | | | | | |
| | | | | | | 24 Hours <input type="checkbox"/> | | | Standard <input checked="" type="checkbox"/> | | | | | | |
| | | | | | | 48 Hours <input type="checkbox"/> | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | | Date/Time: <u>3-11-16 18:40</u> | Received by: <u>[Signature]</u> | | Date/Time: <u>3-11-16 18:40</u> | Sample Integrity: | | | Temperature Upon Receipt: <u>9.9</u> | | | | | | |
| | | | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | |

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Summit Scientific

1603093.2

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 2 of 2

Client: Talon LPE (Bill White)
Address: 1811 E Mulberry St
City/State/Zip: Ft. Co 80524
Phone: 970-818-5330 Fax: 806-467-0622
Sampler Name: _____

Project Manager: Celby Sterling
E-Mail: Csterling@TalonLPE.com
Project Name: Nelson C-1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | | Special Instructions |
|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---|------------------|------|-----------------|--|------|--------------------------|-----------------|------|-----|-----|--------------|----------------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Container Serial # | Other (Specify) | BTEX | GRO | DRD | Hydrocarbons | |
| MW-16@ 35-375 | 3.11.16 | 14:10 | 1 | | X | | | X | | | | X | X | X | X | |
| MW-16@ 375-40 | 3.11.16 | 14:15 | 1 | | X | | | X | | | | X | X | X | X | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>3.11.16 17:35</u> | Received by: <u>[Signature]</u> | Date/Time: <u>3-11-16 17:35</u> | Turn Around Time (Check) | | | | Notes: | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>3-11-16 18:40</u> | Received by: <u>[Signature]</u> | Date/Time: <u>3-11-16 18:40</u> | Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> | | | | 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | | | | | | | | |
| Relinquished by: _____ | Date/Time: _____ | Received in Lab by: _____ | Date/Time: _____ | 48 Hours <input type="checkbox"/> | | | | Sample Integrity: | | | | | | | | |
| | | | | Temperature Upon Receipt: <u>9.9</u> | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | |

www.summitscientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-15@15-20'
1603093-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 10:08**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 10:08**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 114 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 10:08**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 10:08**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-15@20-25'
1603093-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 10:22**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 10:22**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 116 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 10:22**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 10:22**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-15@25-30'
1603093-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 118 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-15@30-34.5'
1603093-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | 0.0029 | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 0.84 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 97.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-15@34.5-35'
1603093-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 11:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane- <i>d</i> 4 | | 96.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene- <i>d</i> 8 | | 93.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@10-15'
1603093-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@15-20'
1603093-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/15/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 13:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@20-25'
1603093-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 13:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 13:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 13:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.021 | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 8.7 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 13:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 97.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@25-30'
1603093-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.039 | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.014 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 11 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@30-35'
1603093-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1.1 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@35-37.5'
1603093-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 14:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 14:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 14:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 6.6 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 14:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

MW-16@37.5-40'
1603093-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603145 | 03/15/16 | 03/17/16 | 8015M | |

Date Sampled: **03/11/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 91.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603144 | 03/15/16 | 03/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603145 - EPA 3550A

Blank (1603145-BLK1)

Prepared: 03/15/16 Analyzed: 03/16/16

| | | | | | | | | | | |
|-------------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| <i>Surrogate: o-Terphenyl</i> | 13.7 | | " | 12.5 | | 110 | 30-150 | | | |

LCS (1603145-BS1)

Prepared: 03/15/16 Analyzed: 03/16/16

| | | | | | | | | | | |
|-------------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | 546 | 50 | mg/kg | 499 | | 109 | 73-134 | | | |
| <i>Surrogate: o-Terphenyl</i> | 13.9 | | " | 12.5 | | 111 | 30-150 | | | |

Matrix Spike (1603145-MS1)

Source: 1603093-01

Prepared: 03/15/16 Analyzed: 03/16/16

| | | | | | | | | | | |
|-------------------------------|------|----|-------|------|------|-----|--------|--|--|--|
| C10-C28 (DRO) | 512 | 50 | mg/kg | 471 | 20.8 | 104 | 50-148 | | | |
| <i>Surrogate: o-Terphenyl</i> | 13.3 | | " | 11.8 | | 113 | 30-150 | | | |

Matrix Spike Dup (1603145-MSD1)

Source: 1603093-01

Prepared: 03/15/16 Analyzed: 03/17/16

| | | | | | | | | | | |
|-------------------------------|------|----|-------|------|------|-----|--------|------|----|--|
| C10-C28 (DRO) | 534 | 50 | mg/kg | 469 | 20.8 | 109 | 50-148 | 4.21 | 13 | |
| <i>Surrogate: o-Terphenyl</i> | 13.6 | | " | 11.7 | | 116 | 30-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603144 - EPA 5030 Soil MS

Blank (1603144-BLK1)

Prepared & Analyzed: 03/15/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0400</i> | | <i>"</i> | <i>0.0396</i> | | <i>101</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0370</i> | | <i>"</i> | <i>0.0400</i> | | <i>92.5</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0400</i> | | <i>99.5</i> | <i>21-167</i> | | | |

LCS (1603144-BS1)

Prepared & Analyzed: 03/15/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.0993 | 0.0020 | " | 0.100 | | 99.3 | 58-130 | | | |
| Toluene | 0.109 | 0.0050 | " | 0.100 | | 109 | 61-134 | | | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.0992 | | 115 | 74-139 | | | |
| m,p-Xylene | 0.212 | 0.010 | " | 0.200 | | 106 | 73-137 | | | |
| o-Xylene | 0.105 | 0.0050 | " | 0.0984 | | 106 | 73-141 | | | |
| Xylenes (total) | 0.317 | 0.010 | " | | | | 0-200 | | | |
| Gasoline Range Hydrocarbons | 2.89 | 0.50 | " | | | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0382</i> | | <i>"</i> | <i>0.0396</i> | | <i>96.4</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0420</i> | | <i>"</i> | <i>0.0400</i> | | <i>105</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0400</i> | | <i>99.4</i> | <i>21-167</i> | | | |

Matrix Spike (1603144-MS1)

Source: 1603092-01

Prepared & Analyzed: 03/15/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|-------|------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.0993 | 0.0020 | " | 0.0943 | ND | 105 | 30-131 | | | |
| Toluene | 0.108 | 0.0050 | " | 0.0943 | ND | 114 | 30-134 | | | |
| Ethylbenzene | 0.113 | 0.0050 | " | 0.0936 | ND | 121 | 22-153 | | | |
| m,p-Xylene | 0.210 | 0.010 | " | 0.188 | ND | 112 | 10-159 | | | |
| o-Xylene | 0.106 | 0.0050 | " | 0.0928 | ND | 114 | 31-151 | | | |
| Xylenes (total) | 0.316 | 0.010 | " | | ND | | 30-160 | | | |
| Gasoline Range Hydrocarbons | 2.75 | 0.50 | " | | 0.222 | | 30-160 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0427</i> | | <i>"</i> | <i>0.0374</i> | | <i>114</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0392</i> | | <i>"</i> | <i>0.0377</i> | | <i>104</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0383</i> | | <i>"</i> | <i>0.0377</i> | | <i>102</i> | <i>21-167</i> | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603144 - EPA 5030 Soil MS

| Matrix Spike Dup (1603144-MSD1) | Source: 1603092-01 | | | Prepared & Analyzed: 03/15/16 | | | | | | |
|---|---------------------------|--------|----------|--|-------|-------------|---------------|-------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | ND | ND | | 10-158 | | 42 | |
| Benzene | 0.0921 | 0.0020 | " | 0.0924 | ND | 99.6 | 30-131 | 7.59 | 34 | |
| Toluene | 0.104 | 0.0050 | " | 0.0924 | ND | 112 | 30-134 | 3.40 | 30 | |
| Ethylbenzene | 0.115 | 0.0050 | " | 0.0917 | ND | 126 | 22-153 | 1.62 | 24 | |
| m,p-Xylene | 0.217 | 0.010 | " | 0.184 | ND | 117 | 10-159 | 2.87 | 68 | |
| o-Xylene | 0.106 | 0.0050 | " | 0.0909 | ND | 117 | 31-151 | 0.799 | 38 | |
| Xylenes (total) | 0.323 | 0.010 | " | | ND | | 30-160 | 2.18 | 30 | |
| Gasoline Range Hydrocarbons | 2.79 | 0.50 | " | | 0.222 | | 30-160 | 1.28 | 30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0380</i> | | <i>"</i> | <i>0.0366</i> | | <i>104</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0367</i> | | <i>"</i> | <i>0.0370</i> | | <i>99.4</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0378</i> | | <i>"</i> | <i>0.0370</i> | | <i>102</i> | <i>21-167</i> | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/18/16 11:21

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 24, 2016

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/16/16 17:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|----------------|----------------|
| MW-17@20-25' | 1603125-01 | Soil | 03/15/16 10:29 | 03/16/16 17:11 |
| MW-17@25-30' | 1603125-02 | Soil | 03/15/16 10:46 | 03/16/16 17:11 |
| MW-17@30-35' | 1603125-03 | Soil | 03/15/16 11:00 | 03/16/16 17:11 |
| MW-17@35-40' | 1603125-04 | Soil | 03/15/16 11:15 | 03/16/16 17:11 |
| MW-17@40-42' | 1603125-05 | Soil | 03/15/16 11:35 | 03/16/16 17:11 |
| MW-17@42-45' | 1603125-06 | Soil | 03/15/16 11:40 | 03/16/16 17:11 |
| MW-18@15-20' | 1603125-07 | Soil | 03/15/16 13:48 | 03/16/16 17:11 |
| MW-18@20-25' | 1603125-08 | Soil | 03/15/16 14:00 | 03/16/16 17:11 |
| MW-18@25-30' | 1603125-09 | Soil | 03/15/16 14:15 | 03/16/16 17:11 |
| MW-18@40-45' | 1603125-10 | Soil | 03/15/16 15:00 | 03/16/16 17:11 |
| MW-19@15-20' | 1603125-11 | Soil | 03/16/16 10:00 | 03/16/16 17:11 |
| MW-19@20-25' | 1603125-12 | Soil | 03/16/16 10:15 | 03/16/16 17:11 |
| MW-19@35-40' | 1603125-13 | Soil | 03/16/16 10:55 | 03/16/16 17:11 |
| MW-20@15-20' | 1603125-14 | Soil | 03/16/16 13:05 | 03/16/16 17:11 |
| MW-20@30-35' | 1603125-15 | Soil | 03/16/16 13:55 | 03/16/16 17:11 |
| MW-20@35-37.5' | 1603125-16 | Soil | 03/16/16 14:20 | 03/16/16 17:11 |
| MW-20@37.5-40' | 1603125-17 | Soil | 03/16/16 14:25 | 03/16/16 17:11 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

160312511

Page 1 of 2

Client: Talon/LPE Bill to Inhibiting
Address: 1811 E Mulberry St
City/State/Zip: Ft Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name: Jennifer Galles
Project Manager: Jennifer Galles
E-Mail: galles@talonlpe.com
Project Number: Nelson C-1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions | | |
|-------------------------------------|--------------|---------------------------------|---------------------------------|--------------|---------------------------------|---|--------------------------|-------------|-------------------------------------|--------------------------|-----------------|-------|-----|-----|----------------------|-------------|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Container Serial # | Other (Specify) | BTE-X | GEO | DPO | | Naphthalene | |
| MW-17@ 20-25' | 3/15/16 | 1029 | 1 | | | X | | | | | | | X | X | X | X | |
| MW-17@ 25-30' | | 1046 | | | | | | | | | | | | | | | |
| MW-17@ 30-35' | | 1100 | | | | | | | | | | | | | | | |
| MW-17@ 35-40' | | 1115 | | | | | | | | | | | | | | | |
| MW-17@ 40-42' | | 1135 | | | | | | | | | | | | | | | |
| MW-17@ 42-45' | | 1140 | | | | | | | | | | | | | | | |
| MW-18@ 15-20' | | 1348 | | | | | | | | | | | | | | | |
| MW-18@ 20-25' | | 1400 | | | | | | | | | | | | | | | |
| MW-18@ 25-30' | | 1415 | | | | | | | | | | | | | | | |
| MW-18@ 40-45' | | 1500 | | | | | | | | | | | | | | | |
| Relinquished by: <u>[Signature]</u> | | Date/Time: <u>3-16-16 17:11</u> | Received by: <u>[Signature]</u> | | Date/Time: <u>3-16-16 17:11</u> | Turn Around Time (Check) | | | Notes: | | | | | | | | |
| | | | | | | Same Day | <input type="checkbox"/> | 72 Hours | <input type="checkbox"/> | | | | | | | | |
| | | | | | | 24 Hours | <input type="checkbox"/> | Standard | <input checked="" type="checkbox"/> | | | | | | | | |
| | | | | | | 48 Hours | <input type="checkbox"/> | | | | | | | | | | |
| Relinquished by: | | Date/Time: | Received in Lab by: | | Date/Time: | Sample Integrity: | | | | | | | | | | | |
| | | | | | | Temperature Upon Receipt: <u>6.1</u> | | | | | | | | | | | |
| | | | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | |

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

1603125.2

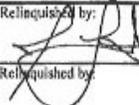
Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 2 of 2

Client: Talon/LPE Bill to Whiting
 Address: 1811 E Mulberry St
 City/State/Zip: Ft Collins, CO 80524
 Phone: 970-819-5330 Fax:
 Sampler Name:
 Project Manager: Jennifer Galles
 E-Mail: jgalles@talonlpe.com
 Project Name: Nelson C1
 Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | Matrix | | | Analyze For: | | | | Special Instructions | | |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|--------------------------|-----------------|------|-----|----------------------|-----|-------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Container Serial # | Other (Specify) | BTEX | GRD | | DRO | Naphthalene |
| MW19 @ 15-20 | 3.16.16 | 10:00 | 1 | | | X | | | | | | X | X | X | X | |
| MW19 @ 20-25 | | 10:15 | | | | | | | | | | | | | | |
| MW19 @ 35-40 | | 10:55 | | | | | | | | | | | | | | |
| MW20 @ 15-20 | | 13:05 | | | | | | | | | | | | | | |
| MW20 @ 30-35 | | 13:55 | | | | | | | | | | | | | | |
| MW20 @ 35-37.5 | | 14:20 | | | | | | | | | | | | | | |
| MW20 @ 37.5-40 | | 14:25 | | | | | | | | | | | | | | |

| | | | | | |
|--|--------------------------|--|--------------------------|---|--|
| Relinquished by:  | Date/Time: 3.16.16 17:11 | Received by:  | Date/Time: 3-16-16 17:11 | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 Hours <input type="checkbox"/> |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | 24 Hours <input type="checkbox"/> | Standard <input checked="" type="checkbox"/> |
| | | | | 48 Hours <input type="checkbox"/> | |
| | | | | Sample Integrity: | |
| | | | | Temperature Upon Receipt: 6.1 | |
| | | | | Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |

www.s2scientific.com





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@20-25'
1603125-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 10:29**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 10:29**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 10:29**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/21/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 10:29**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@25-30'
1603125-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 10:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 10:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 10:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/21/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1.0 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 10:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@30-35'
1603125-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 55 | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.095 | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 28 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 104 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 105 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 111 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@35-40'
1603125-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 115 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/21/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 3.4 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@40-42'
1603125-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 11:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 11:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 107 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 11:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.028 | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/21/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 12 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 11:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 115 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-17@42-45'
1603125-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 100 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/21/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 0.75 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-18@15-20'
1603125-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 13:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 13:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 106 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 13:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 13:48**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-18@20-25'
1603125-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 105 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 108 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-18@25-30'
1603125-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 104 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-18@40-45'
1603125-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/15/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/15/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 105 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/15/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/15/16 15:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-19@15-20'
1603125-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-19@20-25'
1603125-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-19@35-40'
1603125-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 10:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 10:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 116 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 10:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 10:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-20@15-20'
1603125-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 110 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 111 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-20@30-35'
1603125-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.019 | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 3.9 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 108 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-20@35-37.5'
1603125-16 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 14:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 14:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 111 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 14:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.046 | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | 0.0049 | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 17 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 14:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

MW-20@37.5-40'
1603125-17 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/16/16 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1603200 | 03/21/16 | 03/22/16 | 8015M | |

Date Sampled: **03/16/16 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 107 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/16 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1603204 | 03/21/16 | 03/22/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/16/16 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 112 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | Result | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch 1603200 - EPA 3550A

Blank (1603200-BLK1)

Prepared: 03/21/16 Analyzed: 03/22/16

| | | | | | | | | | | | |
|-------------------------------|------|----|-------|------|--|-----|--------|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| <i>Surrogate: o-Terphenyl</i> | 14.8 | | " | 12.5 | | 118 | 30-150 | | | | |

LCS (1603200-BS1)

Prepared: 03/21/16 Analyzed: 03/22/16

| | | | | | | | | | | | |
|-------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO) | 475 | 50 | mg/kg | 499 | | 95.1 | 73-134 | | | | |
| <i>Surrogate: o-Terphenyl</i> | 13.6 | | " | 12.5 | | 109 | 30-150 | | | | |

Matrix Spike (1603200-MS1)

Source: 1603125-01

Prepared: 03/21/16 Analyzed: 03/22/16

| | | | | | | | | | | | |
|-------------------------------|------|----|-------|------|------|------|--------|--|--|--|--|
| C10-C28 (DRO) | 453 | 50 | mg/kg | 475 | 13.2 | 92.5 | 50-148 | | | | |
| <i>Surrogate: o-Terphenyl</i> | 12.6 | | " | 11.9 | | 106 | 30-150 | | | | |

Matrix Spike Dup (1603200-MSD1)

Source: 1603125-01

Prepared: 03/21/16 Analyzed: 03/22/16

| | | | | | | | | | | | |
|-------------------------------|------|----|-------|------|------|------|--------|------|--|----|--|
| C10-C28 (DRO) | 469 | 50 | mg/kg | 487 | 13.2 | 93.5 | 50-148 | 3.48 | | 13 | |
| <i>Surrogate: o-Terphenyl</i> | 12.9 | | " | 12.2 | | 105 | 30-150 | | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603204 - EPA 5030 Soil MS

Blank (1603204-BLK1)

Prepared & Analyzed: 03/21/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|------------|--|---------------|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0379</i> | | <i>"</i> | <i>0.0376</i> | | <i>101</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0376</i> | | <i>106</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0407</i> | | <i>"</i> | <i>0.0376</i> | | <i>108</i> | | <i>21-167</i> | | |

LCS (1603204-BS1)

Prepared & Analyzed: 03/21/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|--|---------------|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | 66-138 | | |
| Benzene | 0.0862 | 0.0020 | " | 0.0921 | | 93.6 | | 58-130 | | |
| Toluene | 0.0883 | 0.0050 | " | 0.0921 | | 95.9 | | 61-134 | | |
| Ethylbenzene | 0.0980 | 0.0050 | " | 0.0913 | | 107 | | 74-139 | | |
| m,p-Xylene | 0.204 | 0.010 | " | 0.184 | | 111 | | 73-137 | | |
| o-Xylene | 0.0951 | 0.0050 | " | 0.0902 | | 105 | | 73-141 | | |
| Xylenes (total) | 0.299 | 0.010 | " | | | | | 0-200 | | |
| Gasoline Range Hydrocarbons | 2.27 | 0.50 | " | | | | | 30-150 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0351</i> | | <i>"</i> | <i>0.0368</i> | | <i>95.4</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0386</i> | | <i>"</i> | <i>0.0368</i> | | <i>105</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0402</i> | | <i>"</i> | <i>0.0368</i> | | <i>109</i> | | <i>21-167</i> | | |

Matrix Spike (1603204-MS1)

Source: 1603125-01

Prepared & Analyzed: 03/21/16

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|--|---------------|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | | 10-158 | | |
| Benzene | 0.0928 | 0.0020 | " | 0.0954 | ND | 97.3 | | 30-131 | | |
| Toluene | 0.0929 | 0.0050 | " | 0.0954 | ND | 97.3 | | 30-134 | | |
| Ethylbenzene | 0.105 | 0.0050 | " | 0.0947 | ND | 111 | | 22-153 | | |
| m,p-Xylene | 0.216 | 0.010 | " | 0.190 | ND | 114 | | 10-159 | | |
| o-Xylene | 0.0999 | 0.0050 | " | 0.0935 | ND | 107 | | 31-151 | | |
| Xylenes (total) | 0.316 | 0.010 | " | | ND | | | 30-160 | | |
| Gasoline Range Hydrocarbons | 2.43 | 0.50 | " | | ND | | | 30-160 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0368</i> | | <i>"</i> | <i>0.0382</i> | | <i>96.5</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0382</i> | | <i>104</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0404</i> | | <i>"</i> | <i>0.0382</i> | | <i>106</i> | | <i>21-167</i> | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|-----------|-------|----------------|------------------|-------|------|--------|-----|-------|
| | Result | Limit | | | Units | %REC | Limits | RPD | |

Batch 1603204 - EPA 5030 Soil MS

| Matrix Spike Dup (1603204-MSD1) | Source: 1603125-01 | | | Prepared & Analyzed: 03/21/16 | | | | | |
|---|---------------------------|--------|----------|--|----|-------------|---------------|------|----|
| Naphthalene | ND | 0.010 | mg/kg | ND | ND | 10-158 | | | 42 |
| Benzene | 0.0902 | 0.0020 | " | 0.0951 | ND | 94.9 | 30-131 | 2.85 | 34 |
| Toluene | 0.0900 | 0.0050 | " | 0.0951 | ND | 94.7 | 30-134 | 3.13 | 30 |
| Ethylbenzene | 0.103 | 0.0050 | " | 0.0943 | ND | 109 | 22-153 | 2.03 | 24 |
| m,p-Xylene | 0.211 | 0.010 | " | 0.190 | ND | 111 | 10-159 | 2.45 | 68 |
| o-Xylene | 0.0972 | 0.0050 | " | 0.0932 | ND | 104 | 31-151 | 2.70 | 38 |
| Xylenes (total) | 0.308 | 0.010 | " | | ND | | 30-160 | 2.53 | 30 |
| Gasoline Range Hydrocarbons | 2.35 | 0.50 | " | | ND | | 30-160 | 3.19 | 30 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0369</i> | | <i>"</i> | <i>0.0380</i> | | <i>97.0</i> | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0394</i> | | <i>"</i> | <i>0.0380</i> | | <i>104</i> | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0405</i> | | <i>"</i> | <i>0.0380</i> | | <i>106</i> | <i>21-167</i> | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Jennifer Galles

Reported:
03/24/16 11:35

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 30, 2016

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/22/16 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW9 | 1603161-01 | Water | 03/22/16 12:00 | 03/22/16 16:00 |
| MW11 | 1603161-02 | Water | 03/22/16 12:05 | 03/22/16 16:00 |
| MW13 | 1603161-03 | Water | 03/22/16 12:10 | 03/22/16 16:00 |
| MW14 | 1603161-04 | Water | 03/22/16 12:15 | 03/22/16 16:00 |
| MW15 | 1603161-05 | Water | 03/22/16 12:20 | 03/22/16 16:00 |
| MW16 | 1603161-06 | Water | 03/22/16 12:25 | 03/22/16 16:00 |
| MW18 | 1603161-07 | Water | 03/22/16 12:30 | 03/22/16 16:00 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

Summit Scientific

1603161

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 1 of 1

Client: Talon LPE/B.H. Vining
Address: 1811 E Mulberry
City/State/Zip: Ft. Co. 80524
Phone:
Sampler Name: J. Sterling / J. Colles

Project Manager: Colby Sterling
E-Mail: csterling@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.04

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | Special Instructions | |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|-------------------------|-----------------|--|--|--|----------------------|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | | | | | |
| MW 9 | 3-22-16 | 12:02 | 3 | X | | | | X | | | | | | | | |
| MW 11 | | 12:05 | | | | | | | | | | | | | | |
| MW 13 | | 12:10 | | | | | | | | | | | | | | |
| MW 14 | | 12:15 | | | | | | | | | | | | | | |
| MW 15 | | 12:20 | | | | | | | | | | | | | | |
| MW 16 | | 12:25 | | | | | | | | | | | | | | |
| MW 18 | | 12:30 | | | | | | | | | | | | | | |
| | | 12:35 | | | | | | | | | | | | | | |

| | | | | | |
|------------------|--------------------------|---------------------|--------------------------|--|--------|
| Relinquished by: | Date/Time: 3-22-16 16:00 | Received by: | Date/Time: 3-22-16 16:00 | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/> | Notes: |
| Relinquished by: | Date/Time: 3-22-16 17:50 | Received by: | Date/Time: | | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | | |

Sample Integrity: Temperature Upon Receipt: 20.5
Intact: Yes No

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

MW9
1603161-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 1.0 | ug/l | 1 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 1.6 | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 3.9 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 105 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 108 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 110 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

MW11
1603161-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 1.6 | 1.0 | ug/l | 1 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 1.1 | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 101 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 104 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 107 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

MW13
1603161-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 1.0 | ug/l | 1 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 1.3 | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 103 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 104 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 106 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

MW14
1603161-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 2500 | 100 | ug/l | 100 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 2300 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 480 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 1300 | 100 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 109 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 104 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 105 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 03/30/16 09:23

MW15
1603161-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 4300 | 100 | ug/l | 100 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 6400 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 420 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 3500 | 100 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 109 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 102 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 103 % | 45-146 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 03/30/16 09:23

MW16
1603161-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 14000 | 100 | ug/l | 100 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 16000 | 100 | " | " | " | " | " | " | |
| Ethylbenzene | 680 | 100 | " | " | " | " | " | " | |
| Xylenes (total) | 6100 | 100 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 112 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 108 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 104 % | 45-146 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.04
 Project Manager: Colby Sterling

Reported:
 03/30/16 09:23

MW18
1603161-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/16 12:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 84 | 1.0 | ug/l | 1 | 1603244 | 03/24/16 | 03/24/16 | EPA 8260B | |
| Toluene | 47 | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 2.6 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 7.4 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/22/16 12:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 96.6 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 104 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 103 % | 45-146 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603244 - EPA 5030 Water MS

Blank (1603244-BLK1)

Prepared & Analyzed: 03/23/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|-----|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.4 | | " | 13.3 | | 101 | 37-154 | | | |
| Surrogate: Toluene-d8 | 14.1 | | " | 13.3 | | 106 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.3 | | " | 13.3 | | 107 | 45-146 | | | |

LCS (1603244-BS1)

Prepared & Analyzed: 03/23/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 32.4 | 1.0 | ug/l | 33.3 | | 97.1 | 51-132 | | | |
| Toluene | 31.9 | 1.0 | " | 33.3 | | 95.7 | 51-138 | | | |
| Ethylbenzene | 34.0 | 1.0 | " | 33.1 | | 103 | 58-146 | | | |
| m,p-Xylene | 71.2 | 2.0 | " | 66.5 | | 107 | 57-144 | | | |
| o-Xylene | 33.3 | 1.0 | " | 32.7 | | 102 | 53-146 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.2 | | " | 13.3 | | 99.3 | 37-154 | | | |
| Surrogate: Toluene-d8 | 14.0 | | " | 13.3 | | 105 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.5 | | " | 13.3 | | 109 | 45-146 | | | |

Matrix Spike (1603244-MS1)

Source: 1603149-01

Prepared & Analyzed: 03/23/16

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 32.1 | 1.0 | ug/l | 33.3 | ND | 96.3 | 34-141 | | | |
| Toluene | 31.6 | 1.0 | " | 33.3 | ND | 94.8 | 27-151 | | | |
| Ethylbenzene | 34.3 | 1.0 | " | 33.1 | ND | 104 | 29-160 | | | |
| m,p-Xylene | 73.1 | 2.0 | " | 66.5 | ND | 110 | 20-166 | | | |
| o-Xylene | 34.2 | 1.0 | " | 32.7 | ND | 105 | 33-159 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.7 | | " | 13.3 | | 103 | 37-154 | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | | 102 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.6 | | " | 13.3 | | 110 | 45-146 | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1603244 - EPA 5030 Water MS

| Matrix Spike Dup (1603244-MSD1) | Source: 1603149-01 | | | Prepared & Analyzed: 03/23/16 | | | | | | |
|---|---------------------------|-----|----------|--|----|------------|---------------|------|----|--|
| Benzene | 30.8 | 1.0 | ug/l | 33.3 | ND | 92.5 | 34-141 | 4.07 | 32 | |
| Toluene | 30.2 | 1.0 | " | 33.3 | ND | 90.7 | 27-151 | 4.50 | 25 | |
| Ethylbenzene | 33.2 | 1.0 | " | 33.1 | ND | 100 | 29-160 | 3.20 | 50 | |
| m,p-Xylene | 69.2 | 2.0 | " | 66.5 | ND | 104 | 20-166 | 5.51 | 36 | |
| o-Xylene | 32.4 | 1.0 | " | 32.7 | ND | 99.2 | 33-159 | 5.37 | 26 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>13.6</i> | | <i>"</i> | <i>13.3</i> | | <i>102</i> | <i>37-154</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>13.8</i> | | <i>"</i> | <i>13.3</i> | | <i>104</i> | <i>45-149</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>13.9</i> | | <i>"</i> | <i>13.3</i> | | <i>104</i> | <i>45-146</i> | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.04
Project Manager: Colby Sterling

Reported:
03/30/16 09:23

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Thursday, September 03, 2015

Colby Sterling
Talon LPE
921 N Bivins
Amarillo, TX 79107

Re: ALS Workorder: 1508471
Project Name: Nelson C-1
Project Number: 701530.020.03

Dear Mr. Sterling:

Seven soil samples were received from Talon LPE, on 8/26/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

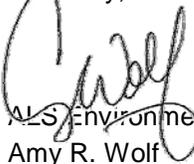
Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,



ALS Environmental
Amy R. Wolf
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | |
|----------------------------------|---------------------------------|
| Accreditation Body | License or Certification Number |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Louisiana (LA) | 05057 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska(NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1508471

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

GRO:

The sample was analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10.

The surrogate recovery for sample -5 was outside control limits (high). Inspection of the chromatogram indicated co-elution of the surrogate peak with a target component peak, biasing the surrogate result high. No further action was taken.

All remaining acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1508471

Client Name: Talon LPE

Client Project Name: Nelson C-1

Client Project Number: 701530.020.03

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| SB-14 20-25 | 1508471-1 | | SOIL | 25-Aug-15 | 14:28 |
| SB-14 25-30 | 1508471-2 | | SOIL | 25-Aug-15 | 14:38 |
| SB-14 30-35 | 1508471-3 | | SOIL | 25-Aug-15 | 15:05 |
| SB-15 20-25 | 1508471-4 | | SOIL | 25-Aug-15 | 16:10 |
| SB-15 25-30 | 1508471-5 | | SOIL | 25-Aug-15 | 16:20 |
| SB-15 30-35 | 1508471-6 | | SOIL | 25-Aug-15 | 16:40 |
| SB-15 35-40 | 1508471-7 | | SOIL | 25-Aug-15 | 16:50 |



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 2026

| | | | | |
|----------------------------------|--|--------------------------------------|------------------------|----------------------------|
| PROJECT NAME Nelson C-1 | | SAMPLER TIGRE | DATE 8-26-15 | WORKORDER # 1500471 |
| PROJECT No. 701530.020.03 | | EDD FORMAT | TURNAROUND Standard | PAGE 1 of 1 |
| COMPANY NAME Talon/PE | | PURCHASE ORDER | | DISPOSAL |
| SEND REPORT TO Calby Stedling | | BILL TO COMPANY Whiting Petroleum | | By Lab or Return to Client |
| ADDRESS | | INVOICE ATTN TO Kyle Wassenaar | | |
| CITY / STATE / ZIP | | ADDRESS | | |
| PHONE | | CITY / STATE / ZIP | | |
| FAX | | PHONE | | |
| E-MAIL cshc.ling@talonpe.com | | FAX | | |
| E-MAIL | | E-MAIL | | |

| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | QC |
|--------|-------------|--------|-------------|-------------|-----------|-------|----|
| ① | SB-14 20-25 | Soil | 8-25-15 | 1428 | 1 | - | - |
| ② | SB-14 25-30 | Soil | | 1438 | 1 | - | - |
| ③ | SB-14 30-35 | Soil | | 1505 | 1 | - | - |
| ④ | SB-15 20-25 | Soil | | 1610 | 1 | - | - |
| ⑤ | SB-15 25-30 | Soil | | 1620 | 1 | - | - |
| ⑥ | SB-15 30-35 | Soil | | 1640 | 1 | - | - |
| ⑦ | SB-15 35-40 | Soil | | 1650 | 1 | - | - |

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter
 For metals or anions, please detail analytes below.

| | | | |
|-----------------|-----------|---------|------|
| RELINQUISHED BY | SIGNATURE | DATE | TIME |
| RECEIVED BY | TIGRE | 8-26-15 | 1645 |
| RELINQUISHED BY | Stetling | 8-26-15 | 1645 |
| RECEIVED BY | | | |
| RELINQUISHED BY | | | |
| RECEIVED BY | | | |

Comments:
3.6 °C

5 of 22

QC PACKAGE (check below)
 LEVEL II (Standard QC)
 LEVEL III (Std QC + forms)
 LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Talon
Project Manager: ARW

Workorder No: 1508471
Initials: SDM Date: 08-27-15

Revd
8/26/15

| | | | |
|---|---|--------------------------------------|-------------------------------------|
| 1. Does this project require any special handling in addition to standard ALS procedures? | | YES | <input checked="" type="radio"/> NO |
| 2. Are custody seals on shipping containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | <input checked="" type="radio"/> YES | NO |
| 5. Are the COC and bottle labels complete and legible? | | <input checked="" type="radio"/> YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | <input checked="" type="radio"/> YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | <input checked="" type="radio"/> DROP OFF | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | <input checked="" type="radio"/> N/A | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | <input checked="" type="radio"/> N/A | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 11. Were all samples placed in the proper containers for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ___ < green pea ___ > green pea | <input checked="" type="radio"/> N/A | YES | NO |
| 15. Do any water samples contain sediment? Amount of sediment: ___ dusting ___ moderate ___ heavy | <input checked="" type="radio"/> N/A | YES | NO |
| 16. Were the samples shipped on ice? | | <input checked="" type="radio"/> YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 #4 | | <input checked="" type="radio"/> YES | NO |
| Cooler #: <u>1</u> | | | |
| Temperature (°C): <u>3.6</u> | | | |
| No. of custody seals on cooler: <u>0</u> | | | |
| External µR/hr reading: <u>N/A</u> | | | |
| Background µR/hr reading: <u>12</u> | | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / <input checked="" type="radio"/> NA (If no, see Form 008.) | | | |

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.
 * All samples received on 8-26-15 @ 1645. Logged in on 8-27-15.

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____
 Project Manager Signature / Date: Cindy 8/27/15

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-14 20-25
Legal Location:
Collection Date: 8/25/2015 14:28

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-1
Matrix: SOIL
Percent Moisture: 24.5

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|---------------|------|----------------|--------------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | | 6.5 | MG/KG | 1 | 8/31/2015 11:12 |
| Surr: O-TERPHENYL | 95 | | 49-114 | %REC | 1 | 8/31/2015 11:12 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | | 0.61 | MG/KG | 1 | 9/1/2015 19:56 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 100 | | 76-126 | %REC | 1 | 9/1/2015 19:56 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/30/2015 | PrepBy: SDW |
| BENZENE | 0.02 | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| TOLUENE | 0.0069 | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| ETHYLBENZENE | ND | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| M+P-XYLENE | 0.015 | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| O-XYLENE | ND | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| NAPHTHALENE | ND | | 0.0065 | MG/KG | 1 | 8/30/2015 23:32 |
| TOTAL XYLENES | 0.015 | | 0.005 | MG/KG | 1 | 8/30/2015 23:32 |
| Surr: DIBROMOFLUOROMETHANE | 90 | | 61-134 | %REC | 1 | 8/30/2015 23:32 |
| Surr: TOLUENE-D8 | 100 | | 57-135 | %REC | 1 | 8/30/2015 23:32 |
| Surr: 4-BROMOFLUOROBENZENE | 95 | | 52-151 | %REC | 1 | 8/30/2015 23:32 |

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: SB-14 25-30
 Legal Location:
 Collection Date: 8/25/2015 14:38

Date: 03-Sep-15
 Work Order: 1508471
 Lab ID: 1508471-2
 Matrix: SOIL
 Percent Moisture: 28.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|--------------|------|----------------|--------------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | 30 | L | 6.7 | MG/KG | 1 | 8/29/2015 21:17 |
| Surr: O-TERPHENYL | 99 | | 49-114 | %REC | 1 | 8/29/2015 21:17 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 1.2 | GH | 0.65 | MG/KG | 1 | 9/1/2015 20:19 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 114 | | 76-126 | %REC | 1 | 9/1/2015 20:19 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/30/2015 | PrepBy: SDW |
| BENZENE | 0.032 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| TOLUENE | 0.14 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| ETHYLBENZENE | 0.058 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| M+P-XYLENE | 0.29 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| O-XYLENE | 0.13 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| NAPHTHALENE | 0.029 | | 0.0068 | MG/KG | 1 | 8/30/2015 23:56 |
| TOTAL XYLENES | 0.42 | | 0.005 | MG/KG | 1 | 8/30/2015 23:56 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 1 | 8/30/2015 23:56 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 1 | 8/30/2015 23:56 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 1 | 8/30/2015 23:56 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-14 30-35
Legal Location:
Collection Date: 8/25/2015 15:05

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-3
Matrix: SOIL
Percent Moisture: 35.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|-------------|------|----------------|--------------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | | 7.3 | MG/KG | 1 | 8/29/2015 21:48 |
| Surr: O-TERPHENYL | 101 | | 49-114 | %REC | 1 | 8/29/2015 21:48 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 0.82 | G | 0.65 | MG/KG | 1 | 9/1/2015 20:40 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 101 | | 76-126 | %REC | 1 | 9/1/2015 20:40 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/30/2015 | PrepBy: SDW |
| BENZENE | 0.16 | | 0.0073 | MG/KG | 1 | 8/31/2015 00:21 |
| TOLUENE | 0.37 | | 0.07 | MG/KG | 1 | 8/31/2015 16:14 |
| ETHYLBENZENE | ND | | 0.07 | MG/KG | 1 | 8/31/2015 16:14 |
| M+P-XYLENE | 0.16 | | 0.07 | MG/KG | 1 | 8/31/2015 16:14 |
| O-XYLENE | ND | | 0.07 | MG/KG | 1 | 8/31/2015 16:14 |
| NAPHTHALENE | ND | | 0.07 | MG/KG | 1 | 8/31/2015 16:14 |
| TOTAL XYLENES | 0.16 | | 0.005 | MG/KG | 1 | 8/31/2015 16:14 |
| Surr: DIBROMOFLUOROMETHANE | 90 | | 61-134 | %REC | 1 | 8/31/2015 16:14 |
| Surr: DIBROMOFLUOROMETHANE | 93 | | 61-134 | %REC | 1 | 8/31/2015 00:21 |
| Surr: TOLUENE-D8 | 100 | | 57-135 | %REC | 1 | 8/31/2015 00:21 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 1 | 8/31/2015 16:14 |
| Surr: 4-BROMOFLUOROBENZENE | 93 | | 52-151 | %REC | 1 | 8/31/2015 16:14 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 1 | 8/31/2015 00:21 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-15 20-25
Legal Location:
Collection Date: 8/25/2015 16:10

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-4
Matrix: SOIL
Percent Moisture: 27.3

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|-------------|------|----------------|--------------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | 32 | L | 6.8 | MG/KG | 1 | 8/29/2015 22:49 |
| Surr: O-TERPHENYL | 97 | | 49-114 | %REC | 1 | 8/29/2015 22:49 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 19 | ZG | 0.63 | MG/KG | 1 | 9/1/2015 21:02 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 118 | | 76-126 | %REC | 1 | 9/1/2015 21:02 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/31/2015 | PrepBy: SDW |
| BENZENE | 1.2 | | 0.069 | MG/KG | 1 | 8/31/2015 16:37 |
| TOLUENE | 2.6 | | 0.65 | MG/KG | 100 | 9/1/2015 14:11 |
| ETHYLBENZENE | 0.65 | | 0.069 | MG/KG | 1 | 8/31/2015 16:37 |
| M+P-XYLENE | 2.8 | | 0.069 | MG/KG | 1 | 8/31/2015 16:37 |
| O-XYLENE | 1 | | 0.069 | MG/KG | 1 | 8/31/2015 16:37 |
| NAPHTHALENE | 0.1 | | 0.0065 | MG/KG | 1 | 8/31/2015 00:46 |
| TOTAL XYLENES | 3.8 | | 0.005 | MG/KG | 1 | 8/31/2015 00:46 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 1 | 8/31/2015 00:46 |
| Surr: DIBROMOFLUOROMETHANE | 93 | | 61-134 | %REC | 100 | 9/1/2015 14:11 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 1 | 8/31/2015 16:37 |
| Surr: TOLUENE-D8 | 96 | | 57-135 | %REC | 100 | 9/1/2015 14:11 |
| Surr: TOLUENE-D8 | 99 | | 57-135 | %REC | 1 | 8/31/2015 16:37 |
| Surr: TOLUENE-D8 | 101 | | 57-135 | %REC | 1 | 8/31/2015 00:46 |
| Surr: 4-BROMOFLUOROBENZENE | 90 | | 52-151 | %REC | 100 | 9/1/2015 14:11 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 1 | 8/31/2015 16:37 |
| Surr: 4-BROMOFLUOROBENZENE | 91 | | 52-151 | %REC | 1 | 8/31/2015 00:46 |

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: SB-15 25-30
 Legal Location:
 Collection Date: 8/25/2015 16:20

Date: 03-Sep-15
 Work Order: 1508471
 Lab ID: 1508471-5
 Matrix: SOIL
 Percent Moisture: 26.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|--------|------|----------------|-------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | 95 | L | 6.5 | MG/KG | 1 | 8/29/2015 23:20 |
| Surr: O-TERPHENYL | 99 | | 49-114 | %REC | 1 | 8/29/2015 23:20 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 37 | GZ | 0.63 | MG/KG | 1 | 9/1/2015 21:24 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 136 | * | 76-126 | %REC | 1 | 9/1/2015 21:24 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/31/2015 | PrepBy: SDW |
| BENZENE | 1.2 | | 0.06 | MG/KG | 1 | 8/31/2015 17:00 |
| TOLUENE | 6.6 | | 0.67 | MG/KG | 100 | 9/1/2015 14:35 |
| ETHYLBENZENE | 1.2 | | 0.06 | MG/KG | 1 | 8/31/2015 17:00 |
| M+P-XYLENE | 8.1 | | 0.67 | MG/KG | 100 | 9/1/2015 14:35 |
| O-XYLENE | 1.8 | | 0.06 | MG/KG | 1 | 8/31/2015 17:00 |
| NAPHTHALENE | 0.23 | | 0.06 | MG/KG | 1 | 8/31/2015 17:00 |
| TOTAL XYLENES | 1.8 | | 0.005 | MG/KG | 1 | 8/31/2015 17:00 |
| Surr: DIBROMOFLUOROMETHANE | 92 | | 61-134 | %REC | 100 | 9/1/2015 14:35 |
| Surr: DIBROMOFLUOROMETHANE | 93 | | 61-134 | %REC | 1 | 8/31/2015 17:00 |
| Surr: TOLUENE-D8 | 99 | | 57-135 | %REC | 1 | 8/31/2015 17:00 |
| Surr: TOLUENE-D8 | 99 | | 57-135 | %REC | 100 | 9/1/2015 14:35 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 100 | 9/1/2015 14:35 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 1 | 8/31/2015 17:00 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-15 30-35
Legal Location:
Collection Date: 8/25/2015 16:40

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-6
Matrix: SOIL
Percent Moisture: 35.8

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|-------------|------|----------------|--------------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | | 7.6 | MG/KG | 1 | 8/29/2015 23:51 |
| Surr: O-TERPHENYL | 102 | | 49-114 | %REC | 1 | 8/29/2015 23:51 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 4.4 | G | 0.72 | MG/KG | 1 | 9/1/2015 21:45 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 107 | | 76-126 | %REC | 1 | 9/1/2015 21:45 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 9/1/2015 | PrepBy: SDW |
| BENZENE | 1.5 | | 0.74 | MG/KG | 100 | 9/1/2015 15:01 |
| TOLUENE | 1.8 | | 0.74 | MG/KG | 100 | 9/1/2015 15:01 |
| ETHYLBENZENE | 0.23 | | 0.076 | MG/KG | 1 | 8/31/2015 17:23 |
| M+P-XYLENE | 0.87 | | 0.076 | MG/KG | 1 | 8/31/2015 17:23 |
| O-XYLENE | 0.39 | | 0.076 | MG/KG | 1 | 8/31/2015 17:23 |
| NAPHTHALENE | ND | | 0.076 | MG/KG | 1 | 8/31/2015 17:23 |
| TOTAL XYLENES | 1.3 | | 0.005 | MG/KG | 1 | 8/31/2015 17:23 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 100 | 9/1/2015 15:01 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 1 | 8/31/2015 17:23 |
| Surr: TOLUENE-D8 | 100 | | 57-135 | %REC | 1 | 8/31/2015 17:23 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 100 | 9/1/2015 15:01 |
| Surr: 4-BROMOFLUOROBENZENE | 90 | | 52-151 | %REC | 100 | 9/1/2015 15:01 |
| Surr: 4-BROMOFLUOROBENZENE | 91 | | 52-151 | %REC | 1 | 8/31/2015 17:23 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-15 35-40
Legal Location:
Collection Date: 8/25/2015 16:50

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-7
Matrix: SOIL
Percent Moisture: 17.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--------------------------------|--------|------|----------------|-------|-----------------------------|--------------------|
| Diesel Range Organics | | | | | | |
| | | | SW8015M | | Prep Date: 8/29/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | | 6 | MG/KG | 1 | 8/30/2015 00:21 |
| Surr: O-TERPHENYL | 93 | | 49-114 | %REC | 1 | 8/30/2015 00:21 |
| Gasoline Range Organics | | | | | | |
| | | | SW8015 | | Prep Date: 9/1/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | | 0.35 | MG/KG | 1 | 9/1/2015 22:08 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 83 | | 76-126 | %REC | 1 | 9/1/2015 22:08 |
| GC/MS Volatiles | | | | | | |
| | | | SW8260 | | Prep Date: 8/31/2015 | PrepBy: SDW |
| BENZENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| TOLUENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| ETHYLBENZENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| M+P-XYLENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| O-XYLENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| NAPHTHALENE | ND | | 0.0059 | MG/KG | 1 | 8/31/2015 17:47 |
| TOTAL XYLENES | ND | | 0.005 | MG/KG | 1 | 8/31/2015 17:47 |
| Surr: DIBROMOFLUOROMETHANE | 96 | | 61-134 | %REC | 1 | 8/31/2015 17:47 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 1 | 8/31/2015 17:47 |
| Surr: 4-BROMOFLUOROBENZENE | 94 | | 52-151 | %REC | 1 | 8/31/2015 17:47 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-15 35-40
Legal Location:
Collection Date: 8/25/2015 16:50

Date: 03-Sep-15
Work Order: 1508471
Lab ID: 1508471-7
Matrix: SOIL
Percent Moisture: 17.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

Explanation of Qualifiers

Radiochemistry:

- U or ND - Result is less than the sample specific MDC.
- Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
- Y2 - Chemical Yield outside default limits.
- W - DER is greater than Warning Limit of 1.42
- * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
- # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
- G - Sample density differs by more than 15% of LCS density.
- D - DER is greater than Control Limit
- M - Requested MDC not met.
- LT - Result is less than requested MDC but greater than achieved MDC.
- M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
- L - LCS Recovery below lower control limit.
- H - LCS Recovery above upper control limit.
- P - LCS, Matrix Spike Recovery within control limits.
- N - Matrix Spike Recovery outside control limits
- NC - Not Calculated for duplicate results less than 5 times MDC
- B - Analyte concentration greater than MDC.
- B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

- B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
- U or ND - Indicates that the compound was analyzed for but not detected.
- E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
- M - Duplicate injection precision was not met.
- N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
- Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
- * - Duplicate analysis (relative percent difference) not within control limits.
- S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

- U or ND - Indicates that the compound was analyzed for but not detected.
- B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E - Analyte concentration exceeds the upper level of the calibration range.
- J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A - A tentatively identified compound is a suspected aldol-condensation product.
- X - The analyte was diluted below an accurate quantitation level.
- * - The spike recovery is equal to or outside the control criteria used.
- + - The relative percent difference (RPD) equals or exceeds the control criteria.
- G - A pattern resembling gasoline was detected in this sample.
- D - A pattern resembling diesel was detected in this sample.
- M - A pattern resembling motor oil was detected in this sample.
- C - A pattern resembling crude oil was detected in this sample.
- 4 - A pattern resembling JP-4 was detected in this sample.
- 5 - A pattern resembling JP-5 was detected in this sample.
- H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

ALS Environmental -- FC

Date: 9/3/2015 10:08:

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **HC150829-100-1** Instrument ID **FUELS-1** Method: **SW8015M**

| LCS | | Sample ID: HC150829-100 | | | Units: MG/KG | | Analysis Date: 8/29/2015 19:13 | | | | |
|-----------------------|--------|--------------------------------|---------|---------------|---------------------|---------------|---------------------------------------|---------|--------------|-----------|------|
| Client ID: | | Run ID: HC150829-7A | | | | | Prep Date: 8/29/2015 | | DF: 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | 68.8 | 5 | 62.5 | | 110 | 76-124 | | | | 20 | |
| Surr: O-TERPHENYL | 5.34 | | 6.25 | | 85 | 49-114 | | | | | |

| MB | | Sample ID: HC150829-100 | | | Units: MG/KG | | Analysis Date: 8/29/2015 18:12 | | | | |
|-----------------------|--------|--------------------------------|---------|---------------|---------------------|---------------|---------------------------------------|---------|--------------|-----------|------|
| Client ID: | | Run ID: HC150829-7A | | | | | Prep Date: 8/29/2015 | | DF: 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | ND | 5 | | | | | | | | | |
| Surr: O-TERPHENYL | 5.48 | | 6.25 | | 88 | 49-114 | | | | | |

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1508471-2 | 1508471-3 | 1508471-4 |
| 1508471-5 | 1508471-6 | 1508471-7 |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **HC150901-61-1** Instrument ID **FUELS-1** Method: **SW8015**

| LCS | | Sample ID: HC150901-61 | | | Units: MG/KG | | | Analysis Date: 9/1/2015 09:26 | | | |
|------------------------------|--------|-------------------------------|---------|---------------|----------------------------|---------------|----------------|--------------------------------------|-----|-----------|------|
| Client ID: | | Run ID: HC150901-6A | | | Prep Date: 9/1/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.45 | 0.5 | 2.5 | | 98 | 79-118 | | | | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.517 | | 0.5 | | 103 | 76-126 | | | | | |

| LCSD | | Sample ID: HC150901-61 | | | Units: MG/KG | | | Analysis Date: 9/1/2015 17:04 | | | |
|------------------------------|--------|-------------------------------|---------|---------------|----------------------------|---------------|----------------|--------------------------------------|-----|-----------|------|
| Client ID: | | Run ID: HC150901-6A | | | Prep Date: 9/1/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.53 | 0.5 | 2.5 | | 101 | 79-118 | | 2.45 | 3 | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.548 | | 0.5 | | 110 | 76-126 | | | 6 | | |

| MB | | Sample ID: HC150901-61 | | | Units: MG/KG | | | Analysis Date: 9/1/2015 09:47 | | | |
|------------------------------|--------|-------------------------------|---------|---------------|----------------------------|---------------|----------------|--------------------------------------|-----|-----------|------|
| Client ID: | | Run ID: HC150901-6A | | | Prep Date: 9/1/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.48 | | 0.5 | | 96 | 76-126 | | | | | |

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1508471-1 | 1508471-2 | 1508471-3 |
| 1508471-4 | 1508471-5 | 1508471-6 |
| 1508471-7 | | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **VL150830-2-3** Instrument ID **HPV1** Method: **SW8260**

| LCS | | Sample ID: VL150830-2 | | | Units: MG/KG | | Analysis Date: 8/30/2015 14:02 | | | | |
|----------------------------|--------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150830-2A | | | Prep Date: 8/30/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0372 | 0.005 | 0.04 | | 93 | 73-126 | | | | 30 | |
| TOLUENE | 0.0424 | 0.005 | 0.04 | | 106 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0424 | 0.005 | 0.04 | | 106 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0869 | 0.005 | 0.08 | | 109 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0429 | 0.005 | 0.04 | | 107 | 77-125 | | | | 30 | |
| NAPHTHALENE | 0.0497 | 0.005 | 0.04 | | 124 | 64-141 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0456 | | 0.05 | | 91 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0501 | | 0.05 | | 100 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0467 | | 0.05 | | 93 | 52-151 | | | | | |

| LCSD | | Sample ID: VL150830-2 | | | Units: MG/KG | | Analysis Date: 8/30/2015 14:27 | | | | |
|----------------------------|--------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150830-2A | | | Prep Date: 8/30/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0372 | 0.005 | 0.04 | | 93 | 73-126 | | 0.0372 | 0 | 30 | |
| TOLUENE | 0.0412 | 0.005 | 0.04 | | 103 | 71-127 | | 0.0424 | 3 | 30 | |
| ETHYLBENZENE | 0.0417 | 0.005 | 0.04 | | 104 | 74-127 | | 0.0424 | 2 | 30 | |
| M+P-XYLENE | 0.0849 | 0.005 | 0.08 | | 106 | 79-126 | | 0.0869 | 2 | 30 | |
| O-XYLENE | 0.0423 | 0.005 | 0.04 | | 106 | 77-125 | | 0.0429 | 2 | 30 | |
| NAPHTHALENE | 0.049 | 0.005 | 0.04 | | 123 | 64-141 | | 0.0497 | 1 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0468 | | 0.05 | | 94 | 61-134 | | | 3 | | |
| Surr: TOLUENE-D8 | 0.0501 | | 0.05 | | 100 | 57-135 | | | 0 | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0466 | | 0.05 | | 93 | 52-151 | | | 0 | | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **VL150830-2-3** Instrument ID **HPV1** Method: **SW8260**

MB Sample ID: **VL150830-2** Units: **MG/KG** Analysis Date: **8/30/2015 14:51**
 Client ID: Run ID: **VL150830-2A** Prep Date: **8/30/2015** DF: **1**

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| NAPHTHALENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0456 | | 0.05 | | 91 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0513 | | 0.05 | | 103 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0469 | | 0.05 | | 94 | 52-151 | | | | | |

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1508471-1 | 1508471-2 | 1508471-3 |
| 1508471-4 | | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: VL150831-2-4 Instrument ID: HPV1 Method: SW8260

| LCS | | Sample ID: VL150831-2 | | | Units: MG/KG | | Analysis Date: 8/31/2015 13:26 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150831-2A | | | Prep Date: 8/31/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0364 | 0.005 | 0.04 | | 91 | 73-126 | | | | 30 | |
| TOLUENE | 0.0405 | 0.005 | 0.04 | | 101 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0403 | 0.005 | 0.04 | | 101 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0832 | 0.005 | 0.08 | | 104 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0415 | 0.005 | 0.04 | | 104 | 77-125 | | | | 30 | |
| NAPHTHALENE | 0.0456 | 0.005 | 0.04 | | 114 | 64-141 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0464 | | 0.05 | | 93 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0503 | | 0.05 | | 101 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0472 | | 0.05 | | 94 | 52-151 | | | | | |

| LCSD | | Sample ID: VL150831-2 | | | Units: MG/KG | | Analysis Date: 8/31/2015 13:49 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150831-2A | | | Prep Date: 8/31/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0363 | 0.005 | 0.04 | | 91 | 73-126 | | 0.0364 | 0 | 30 | |
| TOLUENE | 0.0411 | 0.005 | 0.04 | | 103 | 71-127 | | 0.0405 | 2 | 30 | |
| ETHYLBENZENE | 0.0403 | 0.005 | 0.04 | | 101 | 74-127 | | 0.0403 | 0 | 30 | |
| M+P-XYLENE | 0.0843 | 0.005 | 0.08 | | 105 | 79-126 | | 0.0832 | 1 | 30 | |
| O-XYLENE | 0.042 | 0.005 | 0.04 | | 105 | 77-125 | | 0.0415 | 1 | 30 | |
| NAPHTHALENE | 0.0452 | 0.005 | 0.04 | | 113 | 64-141 | | 0.0456 | 1 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0477 | | 0.05 | | 95 | 61-134 | | | | 3 | |
| Surr: TOLUENE-D8 | 0.0508 | | 0.05 | | 102 | 57-135 | | | | 1 | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0473 | | 0.05 | | 95 | 52-151 | | | | 0 | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: VL150831-2-4 Instrument ID HPV1 Method: SW8260

MB Sample ID: VL150831-2 Units: MG/KG Analysis Date: 8/31/2015 14:11
 Client ID: Run ID: VL150831-2A Prep Date: 8/31/2015 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| NAPHTHALENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0456 | | 0.05 | | 91 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0505 | | 0.05 | | 101 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0459 | | 0.05 | | 92 | 52-151 | | | | | |

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1508471-3 | 1508471-4 | 1508471-5 |
| 1508471-6 | 1508471-7 | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **VL150901-2-6** Instrument ID **HPV1** Method: **SW8260**

| LCS | | Sample ID: VL150901-2 | | | Units: MG/KG | | Analysis Date: 9/1/2015 11:04 | | | | |
|----------------------------|--------|------------------------------|---------|---------------|----------------------------|---------------|--------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150901-2A | | | Prep Date: 9/1/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0366 | 0.005 | 0.04 | | 91 | 73-126 | | | | 30 | |
| TOLUENE | 0.0416 | 0.005 | 0.04 | | 104 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0413 | 0.005 | 0.04 | | 103 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0862 | 0.005 | 0.08 | | 108 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0432 | 0.005 | 0.04 | | 108 | 77-125 | | | | 30 | |
| NAPHTHALENE | 0.0451 | 0.005 | 0.04 | | 113 | 64-141 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0468 | | 0.05 | | 94 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0492 | | 0.05 | | 98 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0469 | | 0.05 | | 94 | 52-151 | | | | | |

| LCSD | | Sample ID: VL150901-2 | | | Units: MG/KG | | Analysis Date: 9/1/2015 11:28 | | | | |
|----------------------------|--------|------------------------------|---------|---------------|----------------------------|---------------|--------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150901-2A | | | Prep Date: 9/1/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0364 | 0.005 | 0.04 | | 91 | 73-126 | | 0.0366 | 0 | 30 | |
| TOLUENE | 0.041 | 0.005 | 0.04 | | 103 | 71-127 | | 0.0416 | 1 | 30 | |
| ETHYLBENZENE | 0.0409 | 0.005 | 0.04 | | 102 | 74-127 | | 0.0413 | 1 | 30 | |
| M+P-XYLENE | 0.0849 | 0.005 | 0.08 | | 106 | 79-126 | | 0.0862 | 2 | 30 | |
| O-XYLENE | 0.0424 | 0.005 | 0.04 | | 106 | 77-125 | | 0.0432 | 2 | 30 | |
| NAPHTHALENE | 0.0444 | 0.005 | 0.04 | | 111 | 64-141 | | 0.0451 | 2 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0464 | | 0.05 | | 93 | 61-134 | | | | 1 | |
| Surr: TOLUENE-D8 | 0.0503 | | 0.05 | | 101 | 57-135 | | | | 2 | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0478 | | 0.05 | | 96 | 52-151 | | | | 2 | |

Client: Talon LPE
 Work Order: 1508471
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: VL150901-2-6 Instrument ID: HPV1 Method: SW8260

| MB | | Sample ID: VL150901-2 | | Units: MG/KG | | | Analysis Date: 9/1/2015 11:52 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|---------------------|---------------|-------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150901-2A | | | Prep Date: 9/1/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| NAPHTHALENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0466 | | 0.05 | | 93 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0512 | | 0.05 | | 102 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 0.0475 | | 0.05 | | 95 | 52-151 | | | | | |

| MB | | Sample ID: VL150901-2M | | Units: MG/KG | | | Analysis Date: 9/1/2015 12:14 | | | | |
|----------------------------|--------|------------------------|---------|---------------|---------------------|---------------|-------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150901-2A | | | Prep Date: 9/1/2015 | | DF: 50 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.25 | | | | | | | | | |
| TOLUENE | ND | 0.25 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.25 | | | | | | | | | |
| M+P-XYLENE | ND | 0.25 | | | | | | | | | |
| O-XYLENE | ND | 0.25 | | | | | | | | | |
| NAPHTHALENE | ND | 0.25 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 2.28 | | 2.5 | | 91 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 2.51 | | 2.5 | | 100 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 2.34 | | 2.5 | | 94 | 52-151 | | | | | |

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1508471-4 | 1508471-5 | 1508471-6 |
|-----------|-----------|-----------|

Friday, September 11, 2015

Colby Sterling
Talon LPE
921 N Bivins
Amarillo, TX 79107

Re: ALS Workorder: 1509078
Project Name: Nelson C-1
Project Number: 701530.020.03

Dear Mr. Sterling:

One water sample was received from Talon LPE, on 9/3/2015. The sample was scheduled for the following analysis:

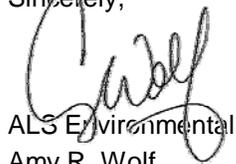
GC/MS Volatiles

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,



ALS Environmental
Amy R. Wolf
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | |
|----------------------------------|---------------------------------|
| Accreditation Body | License or Certification Number |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Louisiana (LA) | 05057 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska(NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1509078

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1509078

Client Name: Talon LPE

Client Project Name: Nelson C-1

Client Project Number: 701530.020.03

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| SB-15 | 1509078-1 | | WATER | 03-Sep-15 | 11:30 |



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Tabn

Workorder No: ISO 9078

Project Manager: ARW

Initials: SDM Date: 09-3-15

| | | | |
|---|---|--------------------------------------|-------------------------------------|
| 1. Does this project require any special handling in addition to standard ALS procedures? | | YES | <input checked="" type="radio"/> NO |
| 2. Are custody seals on shipping containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | <input checked="" type="radio"/> YES | NO |
| 5. Are the COC and bottle labels complete and legible? | | <input checked="" type="radio"/> YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | <input checked="" type="radio"/> YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | <input checked="" type="radio"/> DROP OFF | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | <input checked="" type="radio"/> N/A | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | <input checked="" type="radio"/> N/A | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 11. Were all samples placed in the proper containers for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ___ < green pea ___ > green pea | N/A | <input checked="" type="radio"/> YES | NO |
| 15. Do any water samples contain sediment? Amount Amount of sediment: ___ dusting ___ moderate ___ heavy | N/A | YES | <input checked="" type="radio"/> NO |
| 16. Were the samples shipped on ice? | | <input checked="" type="radio"/> YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 #4 | | <input checked="" type="radio"/> YES | NO |
| Cooler #: <u>1</u> | | | |
| Temperature (°C): <u>2.0</u> | | | |
| No. of custody seals on cooler: <u>2</u> | | | |
| External µR/hr reading: <u>N/A</u> | | | |
| Background µR/hr reading: <u>11</u> | | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO <input checked="" type="radio"/> NA (If no, see Form 008.) | | | |

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

If applicable, was the client contacted? YES / NO NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 9/4/15

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: SB-15
 Legal Location:
 Collection Date: 9/3/2015 11:30

Date: 11-Sep-15
 Work Order: 1509078
 Lab ID: 1509078-1
 Matrix: WATER
 Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------------------------|--------|------|------------------|-------|-----------------------------|--------------------|
| GC/MS Volatiles | | | SW8260_25 | | Prep Date: 9/10/2015 | PrepBy: JJK |
| BENZENE | 15 | | 1 | MG/L | 1000 | 9/10/2015 20:40 |
| TOLUENE | 15 | | 1 | MG/L | 1000 | 9/10/2015 20:40 |
| ETHYLBENZENE | 0.98 | | 0.05 | MG/L | 50 | 9/10/2015 21:01 |
| M+P-XYLENE | 3.4 | | 0.05 | MG/L | 50 | 9/10/2015 21:01 |
| O-XYLENE | 1.4 | | 0.05 | MG/L | 50 | 9/10/2015 21:01 |
| TOTAL XYLENES | 4.8 | | 0.001 | MG/L | 1 | 9/10/2015 20:40 |
| Surr: 4-BROMOFLUOROBENZENE | 103 | | 85-115 | %REC | 50 | 9/10/2015 21:01 |
| Surr: 4-BROMOFLUOROBENZENE | 109 | | 85-115 | %REC | 1000 | 9/10/2015 20:40 |
| Surr: DIBROMOFLUOROMETHANE | 97 | | 84-118 | %REC | 50 | 9/10/2015 21:01 |
| Surr: DIBROMOFLUOROMETHANE | 97 | | 84-118 | %REC | 1000 | 9/10/2015 20:40 |
| Surr: TOLUENE-D8 | 100 | | 85-115 | %REC | 50 | 9/10/2015 21:01 |
| Surr: TOLUENE-D8 | 99 | | 85-115 | %REC | 1000 | 9/10/2015 20:40 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: SB-15
Legal Location:
Collection Date: 9/3/2015 11:30

Date: 11-Sep-15
Work Order: 1509078
Lab ID: 1509078-1
Matrix: WATER
Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

Explanation of Qualifiers

Radiochemistry:

- U or ND - Result is less than the sample specific MDC.
- Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
- Y2 - Chemical Yield outside default limits.
- W - DER is greater than Warning Limit of 1.42
- * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
- # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
- G - Sample density differs by more than 15% of LCS density.
- D - DER is greater than Control Limit
- M - Requested MDC not met.
- LT - Result is less than requested MDC but greater than achieved MDC.
- M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
- L - LCS Recovery below lower control limit.
- H - LCS Recovery above upper control limit.
- P - LCS, Matrix Spike Recovery within control limits.
- N - Matrix Spike Recovery outside control limits
- NC - Not Calculated for duplicate results less than 5 times MDC
- B - Analyte concentration greater than MDC.
- B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

- B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
- U or ND - Indicates that the compound was analyzed for but not detected.
- E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
- M - Duplicate injection precision was not met.
- N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
- Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
- * - Duplicate analysis (relative percent difference) not within control limits.
- S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

- U or ND - Indicates that the compound was analyzed for but not detected.
- B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E - Analyte concentration exceeds the upper level of the calibration range.
- J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A - A tentatively identified compound is a suspected aldol-condensation product.
- X - The analyte was diluted below an accurate quantitation level.
- * - The spike recovery is equal to or outside the control criteria used.
- + - The relative percent difference (RPD) equals or exceeds the control criteria.
- G - A pattern resembling gasoline was detected in this sample.
- D - A pattern resembling diesel was detected in this sample.
- M - A pattern resembling motor oil was detected in this sample.
- C - A pattern resembling crude oil was detected in this sample.
- 4 - A pattern resembling JP-4 was detected in this sample.
- 5 - A pattern resembling JP-5 was detected in this sample.
- H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

Client: Talon LPE
 Work Order: 1509078
 Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

Batch ID: **VL150910-3-1** Instrument ID: **HPV1** Method: **SW8260_25**

| LCS | | Sample ID: VL150910-3 | | | Units: %REC | | Analysis Date: 9/10/2015 10:03 | | | | |
|----------------------------|---------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150910-3A | | | Prep Date: 9/10/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0251 | | 0.025 | | 101 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0243 | | 0.025 | | 97 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 0.0249 | | 0.025 | | 100 | 85-115 | | | | | |
| BENZENE | 0.0096 | 0.001 | 0.01 | | 96 | 83-117 | | | | 20 | |
| TOLUENE | 0.00956 | 0.001 | 0.01 | | 96 | 82-113 | | | | 20 | |
| ETHYLBENZENE | 0.01 | 0.001 | 0.01 | | 100 | 81-113 | | | | 20 | |
| M+P-XYLENE | 0.019 | 0.001 | 0.02 | | 95 | 82-115 | | | | 20 | |
| O-XYLENE | 0.00966 | 0.001 | 0.01 | | 97 | 81-115 | | | | 20 | |

| LCSD | | Sample ID: VL150910-3 | | | Units: %REC | | Analysis Date: 9/10/2015 10:24 | | | | |
|----------------------------|---------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150910-3A | | | Prep Date: 9/10/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0256 | | 0.025 | | 103 | 85-115 | | | 2 | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0246 | | 0.025 | | 98 | 84-118 | | | 1 | | |
| Surr: TOLUENE-D8 | 0.0251 | | 0.025 | | 101 | 85-115 | | | 1 | | |
| BENZENE | 0.0097 | 0.001 | 0.01 | | 97 | 83-117 | | 0.0096 | 1 | 20 | |
| TOLUENE | 0.00948 | 0.001 | 0.01 | | 95 | 82-113 | | 0.00956 | 1 | 20 | |
| ETHYLBENZENE | 0.00996 | 0.001 | 0.01 | | 100 | 81-113 | | 0.01 | 0 | 20 | |
| M+P-XYLENE | 0.019 | 0.001 | 0.02 | | 95 | 82-115 | | 0.019 | 0 | 20 | |
| O-XYLENE | 0.00963 | 0.001 | 0.01 | | 96 | 81-115 | | 0.00966 | 0 | 20 | |

| MB | | Sample ID: VL150910-3 | | | Units: %REC | | Analysis Date: 9/10/2015 11:09 | | | | |
|----------------------------|--------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL150910-3A | | | Prep Date: 9/10/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0265 | | 0.025 | | 106 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0242 | | 0.025 | | 97 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 0.0252 | | 0.025 | | 101 | 85-115 | | | | | |
| BENZENE | ND | 0.001 | | | | | | | | | |
| TOLUENE | ND | 0.001 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.001 | | | | | | | | | |
| M+P-XYLENE | ND | 0.001 | | | | | | | | | |
| O-XYLENE | ND | 0.001 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.001 | | | | | | | | | |

Client: Talon LPE
Work Order: 1509078
Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

The following samples were analyzed in this batch:

1509078-1

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

November 06, 2015

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 10/30/15 13:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-2@20' | 1510247-01 | Soil | 10/27/15 10:30 | 10/30/15 13:20 |
| MW-2@25' | 1510247-02 | Soil | 10/27/15 10:40 | 10/30/15 13:20 |
| MW-2@30' | 1510247-03 | Soil | 10/27/15 10:50 | 10/30/15 13:20 |
| MW-3@25' | 1510247-04 | Soil | 10/27/15 12:55 | 10/30/15 13:20 |
| MW-3@30' | 1510247-05 | Soil | 10/27/15 13:05 | 10/30/15 13:20 |
| MW-4@30' | 1510247-06 | Soil | 10/28/15 10:05 | 10/30/15 13:20 |
| MW-4@35' | 1510247-07 | Soil | 10/28/15 10:15 | 10/30/15 13:20 |
| MW-4@40' | 1510247-08 | Soil | 10/28/15 10:30 | 10/30/15 13:20 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

Summit Scientific

1510 247

741 Corporate Circle Suite I • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Client: Talon/LPE Bill to Whiting O. H. Co.
Address:
City/State/Zip:
Phone: Fax:
Sampler Name: J. Galles/Jennifer Galles

Page 1 of 1

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com
Project Name: Nelson C1
Project Number: 701530.020.03

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | Matrix | | | Analyze For: | | | | Special Instructions | |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|-------------------------|-----------------|--|--|----------------------|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | | | | |
| MW-2 @ 20' | 10-27-15 | 650 | 1 | | | X | | | | | | | | | |
| MW-2 @ 25' | 10-27-15 | 1090 | 1 | | | | | | | | | | | | |
| MW-2 @ 30' | 10-27-15 | 1090 | 1 | | | | | | | | | | | | |
| MW-3 @ 25' | 10-27-15 | 1255 | 1 | | | | | | | | | | | | |
| MW-3 @ 30' | 10-27-15 | 1305 | 1 | | | | | | | | | | | | |
| MW-4 @ 30' | 10-28-15 | 1005 | 2 | | | | | | | | | | | | |
| MW-4 @ 35' | 10-28-15 | 1015 | 2 | | | | | | | | | | | | |
| MW-4 @ 40' | 10-28-15 | 1030 | 2 | | | | | | | | | | | | |

| | | | | | |
|--|-------------------------------------|---------------------------|-------------------------------------|--|--------|
| Relinquished by: <u>Jennifer Galles</u> | Date/Time: <u>10/30/15 13:23</u> | Received by: <u>JG</u> | Date/Time: <u>10-30-15 13:20</u> | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: Intact: Yes <input type="checkbox"/> No <input type="checkbox"/> | Notes: |
| Relinquished by: <u>JG</u> | Date/Time: <u>10-30-15 17:40</u> | Received by: | Date/Time: | | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | | |

www.s2scientific.com



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-2@20'
1510247-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/27/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 93.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.011 | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | 0.012 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.010 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/27/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.5 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-2@25'
1510247-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/15 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/27/15 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 104 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/15 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.24 | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | 0.33 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.13 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.97 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 48 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/27/15 10:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 114 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-2@30'
1510247-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/15 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/27/15 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 93.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/15 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | 11/05/15 | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | 11/06/15 | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 3.0 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/27/15 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.6 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-3@25'
1510247-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/15 12:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/27/15 12:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 102 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/15 12:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.012 | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | 0.030 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.043 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 4.6 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/27/15 12:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.5 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-3@30'
1510247-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/15 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/27/15 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 94.8 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/15 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.12 | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | 0.23 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.024 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.17 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 3.1 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/27/15 13:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-4@30'
1510247-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/28/15 10:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/28/15 10:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 95.7 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/28/15 10:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.036 | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | 0.12 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.049 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.41 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 50 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/28/15 10:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-4@35'
1510247-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/28/15 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/28/15 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 94.0 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/28/15 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|------------|-----------------|----------|----------|----------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 4.6 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/28/15 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.2 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.1 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

MW-4@40'
1510247-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/28/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511007 | 11/02/15 | 11/03/15 | 8015M | |

Date Sampled: **10/28/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 95.3 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/28/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1511009 | 11/04/15 | 11/06/15 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.049 | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 35 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/28/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 115 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.6 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE
 1811 E Mulberry
 Ft Collins CO, 80524

Project: Nelson C1
 Project Number: 701530.020.03
 Project Manager: Jennifer Galles

Reported:
 11/06/15 15:13

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch 1511007 - EPA 3550A

Blank (1511007-BLK1)

Prepared: 11/02/15 Analyzed: 11/03/15

| | | | | | | | | | | | |
|-------------------------------|-------------|----|-------|-------------|--|-------------|---------------|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| <i>Surrogate: o-Terphenyl</i> | <i>11.6</i> | | " | <i>12.2</i> | | <i>95.5</i> | <i>30-150</i> | | | | |

LCS (1511007-BS1)

Prepared: 11/02/15 Analyzed: 11/03/15

| | | | | | | | | | | | |
|-------------------------------|-------------|----|-------|-------------|--|------------|---------------|--|--|--|--|
| C10-C28 (DRO) | 484 | 50 | mg/kg | 499 | | 97.1 | 73-134 | | | | |
| <i>Surrogate: o-Terphenyl</i> | <i>12.6</i> | | " | <i>12.2</i> | | <i>103</i> | <i>30-150</i> | | | | |

Matrix Spike (1511007-MS1)

Source: 1510241-01

Prepared: 11/02/15 Analyzed: 11/03/15

| | | | | | | | | | | | |
|-------------------------------|-------------|----|-------|-------------|------|-------------|---------------|--|--|--|--|
| C10-C28 (DRO) | 446 | 50 | mg/kg | 481 | 22.1 | 88.1 | 50-148 | | | | |
| <i>Surrogate: o-Terphenyl</i> | <i>11.4</i> | | " | <i>11.7</i> | | <i>96.9</i> | <i>30-150</i> | | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1511009 - EPA 5030 Soil MS

Blank (1511009-BLK1)

Prepared: 11/04/15 Analyzed: 11/05/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0403</i> | | <i>"</i> | <i>0.0396</i> | | <i>102</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0378</i> | | <i>"</i> | <i>0.0400</i> | | <i>94.5</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0370</i> | | <i>"</i> | <i>0.0400</i> | | <i>92.6</i> | <i>21-167</i> | | | |

LCS (1511009-BS1)

Prepared: 11/04/15 Analyzed: 11/05/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | 0.103 | 0.0020 | mg/kg | 0.100 | | 103 | 58-130 | | | |
| Toluene | 0.0996 | 0.0050 | " | 0.100 | | 99.6 | 61-134 | | | |
| Ethylbenzene | 0.113 | 0.0050 | " | 0.0992 | | 114 | 74-139 | | | |
| m,p-Xylene | 0.212 | 0.010 | " | 0.200 | | 106 | 73-137 | | | |
| o-Xylene | 0.105 | 0.0050 | " | 0.0984 | | 107 | 73-141 | | | |
| Xylenes (total) | 0.318 | 0.0050 | " | | | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 2.02 | 0.50 | " | | | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0402</i> | | <i>"</i> | <i>0.0396</i> | | <i>102</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0386</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.6</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0381</i> | | <i>"</i> | <i>0.0400</i> | | <i>95.3</i> | <i>21-167</i> | | | |

Matrix Spike (1511009-MS1)

Source: 1510237-01

Prepared: 11/04/15 Analyzed: 11/05/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|------|-------------|---------------|--|--|--|
| Benzene | 0.0977 | 0.0020 | mg/kg | 0.0952 | ND | 103 | 30-131 | | | |
| Toluene | 0.0961 | 0.0050 | " | 0.0952 | ND | 101 | 30-134 | | | |
| Ethylbenzene | 0.108 | 0.0050 | " | 0.0945 | ND | 114 | 22-153 | | | |
| m,p-Xylene | 0.205 | 0.010 | " | 0.190 | ND | 108 | 10-159 | | | |
| o-Xylene | 0.102 | 0.0050 | " | 0.0937 | ND | 108 | 31-151 | | | |
| Xylenes (total) | 0.306 | 0.0050 | " | | ND | | 30-150 | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | 2.97 | | 30-150 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0426</i> | | <i>"</i> | <i>0.0377</i> | | <i>113</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0371</i> | | <i>"</i> | <i>0.0381</i> | | <i>97.3</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0363</i> | | <i>"</i> | <i>0.0381</i> | | <i>95.3</i> | <i>21-167</i> | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch 1511009 - EPA 5030 Soil MS

| Matrix Spike Dup (1511009-MSD1) | Source: 1510237-01 | | | Prepared: 11/04/15 | Analyzed: 11/05/15 | | | | | |
|---|---------------------------|--------|----------|--------------------|--------------------|-------------|---------------|--------|----|--|
| Benzene | 0.0968 | 0.0020 | mg/kg | 0.0956 | ND | 101 | 30-131 | 0.914 | 34 | |
| Toluene | 0.0960 | 0.0050 | " | 0.0956 | ND | 100 | 30-134 | 0.0951 | 30 | |
| Ethylbenzene | 0.110 | 0.0050 | " | 0.0948 | ND | 116 | 22-153 | 1.43 | 24 | |
| m,p-Xylene | 0.205 | 0.010 | " | 0.191 | ND | 107 | 10-159 | 0.0184 | 68 | |
| o-Xylene | 0.102 | 0.0050 | " | 0.0941 | ND | 108 | 31-151 | 0.325 | 38 | |
| Xylenes (total) | 0.307 | 0.0050 | " | | ND | | 30-150 | 0.120 | 20 | |
| Gasoline Range Hydrocarbons | 6.23 | 0.50 | " | | 2.97 | | 30-150 | | 20 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0429</i> | | <i>"</i> | <i>0.0379</i> | | <i>113</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0366</i> | | <i>"</i> | <i>0.0382</i> | | <i>95.6</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0368</i> | | <i>"</i> | <i>0.0382</i> | | <i>96.1</i> | <i>21-167</i> | | | |

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.03
Project Manager: Jennifer Galles

Reported:
11/06/15 15:13

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Wednesday, November 11, 2015

Jennifer Galles
Talon LPE
921 N Bivins
Amarillo, TX 79107

Re: ALS Workorder: 1511065
Project Name: Nelson C-1
Project Number: 701530.020.03

Dear Ms. Galles:

Three water samples were received from Talon LPE, on 11/4/2015. The samples were scheduled for the following analysis:

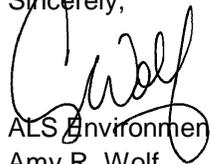
GC/MS Volatiles

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,



ALS Environmental
Amy R. Wolf
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | |
|----------------------------------|---------------------------------|
| Accreditation Body | License or Certification Number |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Louisiana (LA) | 05057 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska(NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1511065

GC/MS Volatiles:

The sample was analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

Due to the concentration of target analytes, analyzed at a dilution. The reporting limits have been adjusted accordingly.

All remaining acceptance criteria were met.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1511065

Client Name: Talon LPE

Client Project Name: Nelson C-1

Client Project Number: 701530.020.03

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| MW-4 | 1511065-1 | | WATER | 04-Nov-15 | 11:50 |
| MW-1 | 1511065-2 | | WATER | 04-Nov-15 | 12:10 |
| MW-2 | 1511065-3 | | WATER | 04-Nov-15 | 12:20 |



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Talon

Workorder No: 1511065

Project Manager: AW

Initials: CS Date: 11-4-15

| | | | |
|---|---|--------------------------------------|-------------------------------------|
| 1. Does this project require any special handling in addition to standard ALS procedures? | | YES | <input checked="" type="radio"/> NO |
| 2. Are custody seals on shipping containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | <input checked="" type="radio"/> YES | NO |
| 5. Are the COC and bottle labels complete and legible? | | <input checked="" type="radio"/> YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | <input checked="" type="radio"/> YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | <input checked="" type="radio"/> DROP OFF | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | <input checked="" type="radio"/> N/A | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | <input checked="" type="radio"/> N/A | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 11. Were all samples placed in the proper containers for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <input checked="" type="checkbox"/> < green pea <input type="checkbox"/> > green pea | N/A | YES | <input checked="" type="radio"/> NO |
| 15. Do any water samples contain sediment? Amount Amount of sediment: <input type="checkbox"/> dusting <input type="checkbox"/> moderate <input type="checkbox"/> heavy | N/A | YES | <input checked="" type="radio"/> NO |
| 16. Were the samples shipped on ice? | | <input checked="" type="radio"/> YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 <input type="radio"/> #4 <input type="radio"/> RAD ONLY | | <input checked="" type="radio"/> YES | NO |
| Cooler #: <u>1</u> | | | |
| Temperature (°C): <u>5.6</u> | | | |
| No. of custody seals on cooler: <u>0</u> | | | |
| External μR/hr reading: <u>NA</u> | | | |
| Background μR/hr reading: <u>NA</u> | | | |
| Were external μR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / <input checked="" type="radio"/> NA (If no, see Form 008.) | | | |

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

HEADSPACE: 1511065-1-3 < green pea

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: *Guoey 11/4/15*

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: MW-4
 Legal Location:
 Collection Date: 11/4/2015 11:50

Date: 11-Nov-15
 Work Order: 1511065
 Lab ID: 1511065-1
 Matrix: WATER
 Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------------------------|--------|------|------------------|-------|----------------------|-----------------|
| GC/MS Volatiles | | | SW8260_25 | | Prep Date: 11/6/2015 | PrepBy: JXK |
| BENZENE | 16 | | 0.5 | MG/L | 500 | 11/6/2015 15:23 |
| TOLUENE | 20 | | 0.5 | MG/L | 500 | 11/6/2015 15:23 |
| ETHYLBENZENE | 0.94 | | 0.5 | MG/L | 500 | 11/6/2015 15:23 |
| M+P-XYLENE | 3.4 | | 0.5 | MG/L | 500 | 11/6/2015 15:23 |
| O-XYLENE | 1.4 | | 0.5 | MG/L | 500 | 11/6/2015 15:23 |
| TOTAL XYLENES | 4.8 | | 0.001 | MG/L | 1 | 11/6/2015 15:23 |
| Surr: 4-BROMOFLUOROBENZENE | 105 | | 85-115 | %REC | 500 | 11/6/2015 15:23 |
| Surr: DIBROMOFLUOROMETHANE | 101 | | 84-118 | %REC | 500 | 11/6/2015 15:23 |
| Surr: TOLUENE-D8 | 102 | | 85-115 | %REC | 500 | 11/6/2015 15:23 |

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: MW-1
 Legal Location:
 Collection Date: 11/4/2015 12:10

Date: 11-Nov-15
 Work Order: 1511065
 Lab ID: 1511065-2
 Matrix: WATER
 Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------------------------|--------|------|------------------|-------|----------------------|-----------------|
| GC/MS Volatiles | | | SW8260_25 | | Prep Date: 11/6/2015 | PrepBy: JXK |
| BENZENE | 17 | | 0.5 | MG/L | 500 | 11/6/2015 15:44 |
| TOLUENE | 18 | | 0.5 | MG/L | 500 | 11/6/2015 15:44 |
| ETHYLBENZENE | 1 | | 0.5 | MG/L | 500 | 11/6/2015 15:44 |
| M+P-XYLENE | 3.8 | | 0.5 | MG/L | 500 | 11/6/2015 15:44 |
| O-XYLENE | 1.6 | | 0.5 | MG/L | 500 | 11/6/2015 15:44 |
| TOTAL XYLENES | 5.4 | | 0.001 | MG/L | 1 | 11/6/2015 15:44 |
| Surr: 4-BROMOFLUOROBENZENE | 106 | | 85-115 | %REC | 500 | 11/6/2015 15:44 |
| Surr: DIBROMOFLUOROMETHANE | 101 | | 84-118 | %REC | 500 | 11/6/2015 15:44 |
| Surr: TOLUENE-D8 | 102 | | 85-115 | %REC | 500 | 11/6/2015 15:44 |

Client: Talon LPE
 Project: 701530.020.03 Nelson C-1
 Sample ID: MW-2
 Legal Location:
 Collection Date: 11/4/2015 12:20

Date: 11-Nov-15
 Work Order: 1511065
 Lab ID: 1511065-3
 Matrix: WATER
 Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------------------------|--------|------|------------------|-------|----------------------|-----------------|
| GC/MS Volatiles | | | SW8260_25 | | Prep Date: 11/6/2015 | PrepBy: JXK |
| BENZENE | 18 | | 0.5 | MG/L | 500 | 11/6/2015 16:05 |
| TOLUENE | 20 | | 0.5 | MG/L | 500 | 11/6/2015 16:05 |
| ETHYLBENZENE | 0.96 | | 0.5 | MG/L | 500 | 11/6/2015 16:05 |
| M+P-XYLENE | 3.5 | | 0.5 | MG/L | 500 | 11/6/2015 16:05 |
| O-XYLENE | 1.5 | | 0.5 | MG/L | 500 | 11/6/2015 16:05 |
| TOTAL XYLENES | 5 | | 0.001 | MG/L | 1 | 11/6/2015 16:05 |
| Surr: 4-BROMOFLUOROBENZENE | 107 | | 85-115 | %REC | 500 | 11/6/2015 16:05 |
| Surr: DIBROMOFLUOROMETHANE | 100 | | 84-118 | %REC | 500 | 11/6/2015 16:05 |
| Surr: TOLUENE-D8 | 102 | | 85-115 | %REC | 500 | 11/6/2015 16:05 |

Client: Talon LPE
Project: 701530.020.03 Nelson C-1
Sample ID: MW-2
Legal Location:
Collection Date: 11/4/2015 12:20

Date: 11-Nov-15
Work Order: 1511065
Lab ID: 1511065-3
Matrix: WATER
Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

Explanation of Qualifiers

Radiochemistry:

- U or ND - Result is less than the sample specific MDC.
- Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
- Y2 - Chemical Yield outside default limits.
- W - DER is greater than Warning Limit of 1.42
- * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
- # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
- G - Sample density differs by more than 15% of LCS density.
- D - DER is greater than Control Limit
- M - Requested MDC not met.
- LT - Result is less than requested MDC but greater than achieved MDC.
- M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
- L - LCS Recovery below lower control limit.
- H - LCS Recovery above upper control limit.
- P - LCS, Matrix Spike Recovery within control limits.
- N - Matrix Spike Recovery outside control limits
- NC - Not Calculated for duplicate results less than 5 times MDC
- B - Analyte concentration greater than MDC.
- B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

- B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
- U or ND - Indicates that the compound was analyzed for but not detected.
- E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
- M - Duplicate injection precision was not met.
- N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
- Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
- * - Duplicate analysis (relative percent difference) not within control limits.
- S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

- U or ND - Indicates that the compound was analyzed for but not detected.
- B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E - Analyte concentration exceeds the upper level of the calibration range.
- J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A - A tentatively identified compound is a suspected aldol-condensation product.
- X - The analyte was diluted below an accurate quantitation level.
- * - The spike recovery is equal to or outside the control criteria used.
- + - The relative percent difference (RPD) equals or exceeds the control criteria.
- G - A pattern resembling gasoline was detected in this sample.
- D - A pattern resembling diesel was detected in this sample.
- M - A pattern resembling motor oil was detected in this sample.
- C - A pattern resembling crude oil was detected in this sample.
- 4 - A pattern resembling JP-4 was detected in this sample.
- 5 - A pattern resembling JP-5 was detected in this sample.
- H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

Client: Talon LPE

QC BATCH REPORT

Work Order: 1511065

Project: 701530.020.03 Nelson C-1

Batch ID: VL151106-3-1

Instrument ID: HPV1

Method: SW8260_25

| LCS | | Sample ID: VL151106-3 | | | Units: %REC | | Analysis Date: 11/6/2015 13:55 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151106-3A | | | Prep Date: 11/6/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0252 | | 0.025 | | 101 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0253 | | 0.025 | | 101 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 0.0255 | | 0.025 | | 102 | 85-115 | | | | | |
| BENZENE | 0.011 | 0.001 | 0.01 | | 110 | 83-117 | | | | 20 | |
| TOLUENE | 0.011 | 0.001 | 0.01 | | 110 | 82-113 | | | | 20 | |
| ETHYLBENZENE | 0.0108 | 0.001 | 0.01 | | 108 | 81-113 | | | | 20 | |
| M+P-XYLENE | 0.0217 | 0.001 | 0.02 | | 108 | 82-115 | | | | 20 | |
| O-XYLENE | 0.0109 | 0.001 | 0.01 | | 109 | 81-115 | | | | 20 | |

| LCSD | | Sample ID: VL151106-3 | | | Units: %REC | | Analysis Date: 11/6/2015 14:16 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151106-3A | | | Prep Date: 11/6/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0256 | | 0.025 | | 102 | 85-115 | | | 2 | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0253 | | 0.025 | | 101 | 84-118 | | | 0 | | |
| Surr: TOLUENE-D8 | 0.0257 | | 0.025 | | 103 | 85-115 | | | 1 | | |
| BENZENE | 0.0108 | 0.001 | 0.01 | | 108 | 83-117 | | 0.011 | 2 | 20 | |
| TOLUENE | 0.011 | 0.001 | 0.01 | | 110 | 82-113 | | 0.011 | 0 | 20 | |
| ETHYLBENZENE | 0.0108 | 0.001 | 0.01 | | 108 | 81-113 | | 0.0108 | 0 | 20 | |
| M+P-XYLENE | 0.0217 | 0.001 | 0.02 | | 108 | 82-115 | | 0.0217 | 0 | 20 | |
| O-XYLENE | 0.0107 | 0.001 | 0.01 | | 107 | 81-115 | | 0.0109 | 1 | 20 | |

| MB | | Sample ID: VL151106-3 | | | Units: %REC | | Analysis Date: 11/6/2015 15:02 | | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151106-3A | | | Prep Date: 11/6/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 0.0261 | | 0.025 | | 104 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0251 | | 0.025 | | 100 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 0.0257 | | 0.025 | | 103 | 85-115 | | | | | |
| BENZENE | ND | 0.001 | | | | | | | | | |
| TOLUENE | ND | 0.001 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.001 | | | | | | | | | |
| M+P-XYLENE | ND | 0.001 | | | | | | | | | |
| O-XYLENE | ND | 0.001 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.001 | | | | | | | | | |

Client: Talon LPE
Work Order: 1511065
Project: 701530.020.03 Nelson C-1

QC BATCH REPORT

The following samples were analyzed in this batch:

| | | |
|-----------|-----------|-----------|
| 1511065-1 | 1511065-2 | 1511065-3 |
|-----------|-----------|-----------|