

**Western Refining Southwest LLC**

A subsidiary of Marathon Petroleum Corporation

I-40 Exit 39
Jamestown, NM 87347

August 31, 2021

Mr. Kevin Pierard, Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

RE: Revised Investigation Work Plan No. 2 Area of Concern 35
Western Refining Southwest Inc., Marathon Gallup Refinery
EPA ID #NMD000333211
HWB-WRG-20-009

Dear Mr. Pierard:

Attached please find the *Revised Investigation Work Plan No. 2* for Area of Concern 35. The New Mexico Environment Department (NMED) approved the work plan modification in correspondence dated August 10, 2021. Two sets of the document and a full electronic copy are included in the attachments.

A timeline of the Work Plan development is presented below:

- Investigation Work Plan, submitted August 2018
- Disapproval, received January 31, 2019
- Response to Disapproval, submitted July 26, 2019
- Approval with Modifications, received September 12, 2019

Following the September 2019 approval with modifications, a leak was discovered within AOC-35 in the pipeline just north of the truck loading rack. The Refinery proposed modifying the existing Work Plan based on the location of the discovered leak. The timeline for the revised Work Plan is as follows:

- Revised Investigation Work Plan, submitted February 27, 2020
- Disapproval, received August 31, 2020
- Response to Disapproval, submitted January 4, 2021
- Approval with Modifications, received February 11, 2021
- Response to Approval with Modifications, submitted April 14, 2021
- Request for Extension, submitted August 3, 2021
- Extension Approval, received August 10, 2021

If you have any questions or comments regarding the information contained herein, please do not hesitate to contact Mr. John Moore at (505) 879-7643.



Western Refining Southwest LLC

A subsidiary of Marathon Petroleum Corporation

I-40 Exit 39
Jamestown, NM 87347

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Western Refining Southwest LLC, Marathon Gallup Refinery

A handwritten signature in blue ink, appearing to read 'John Moore'.

Digitally signed by John Moore
DN: cn=John Moore, c=US,
o=MarathonPetroleum, ou=ES&S,
email=jmoore5@marathonpetroleum.com
Date: 2021.09.01 15:11:00 -06'00'

For Ruth A. Cade

Ruth Cade
Vice-President

Attachments

cc: D. Cobrain, NMED HWB	G. McCartney, Marathon Petroleum Corporation
M. Suzuki, NMED HWB	K. Luka, Marathon Petroleum Corporation
T. McDill, NMOCD	J. Moore, Marathon Gallup Refinery
L. King, EPA Region 6	H. Jones, Trihydro Corporation

Revised Investigation Work Plan No. 2

Area of Concern 35



Marathon Gallup Refinery
Western Refining Southwest, LLC
Gallup, New Mexico

EPA ID# NMD000333211

AUGUST 2021



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List of Acronyms

AOC	Area of Concern
EPA	Environmental Protection Agency
IDW	investigation derived waste
LIP/HP	laser-induced florescence/hydraulic profiling
MKTF	marketing tank farm
MTBE	methyl tert butyl ether
NMED	New Mexico Environment Department
NMOCD	New Mexico Oil Conservation Division
SPH	separate-phase hydrocarbon
UVOST	ultra-violet optical screening tool
VOC	volatile organic compound



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Executive Summary

The Marathon Gallup Refinery (hereinafter referred to as “the Refinery”), which is located 17 miles east of Gallup, New Mexico, has been in operation since the 1950s. Pursuant to the terms and conditions of the facility Resource Conservation and Recovery Act Post-Closure Care Permit and 20.4.1.500 New Mexico Administrative Code, this Investigation Work Plan has been prepared for Area of Concern (AOC) 35. AOC 35 includes the main truck loading rack, crude slop and ethanol unloading facility, additive tank farm/loading rack, and the retail tank farm (also known as the marketing tank farm).

Historical groundwater sample results within and around AOC 35 have shown impacts from petroleum hydrocarbons. Investigative activities due to observed groundwater impacts were proposed in an AOC 35 investigation work plan originally dated August 2018; New Mexico Environment Department (NMED) approval was received in September 2019. Subsequent to preparation/approval of the initial investigation work plan, on October 27, 2019, a gasoline release was observed surfacing on the west side of the truck loading rack within AOC 35. The source of the release was determined to be an underground transfer line on the north side of the truck loading rack.

As a result of the gasoline release, the AOC 35 investigation work plan was modified to include additional soil boring locations. The modified work plan was submitted to NMED on February 27, 2020; NMED approval was received in February 2021.

Concurrently with development of the modified work plan, laser-induced fluorescence/hydraulic profiling (LIF/HP) events were scheduled and conducted at the Refinery in November 2019, February 2021, and May 2021. The LIF/HP events included numerous locations within, and hydraulically down-gradient, of AOC 35, greatly increasing the understanding of subsurface conditions in the area. A report pertaining to the November 2019 and February 2021 LIF/HP results was submitted to NMED on March 31, 2021. An investigation report regarding all the LIF/HP investigation data is currently scheduled to be submitted no later than October 31, 2021.

This investigation work plan seeks to supplant the originally proposed investigation activities to build upon the LIF/HP data collection efforts to bolster the understanding of subsurface conditions in the area and correlate the analytical results with the LIF/HP results. More specifically, the originally proposed soil investigation locations have been removed, and new locations, co-located with LIF/HP locations, have been proposed. The new locations were strategically chosen based on the LIF ultra-violet optical screening tool (UVOST) response data which identified the presence and location of multiple product types (i.e., gasoline, diesel, etc.) throughout and hydraulically down-gradient of AOC 35.

The soil samples will be analyzed for volatile organic compounds, semi-volatile organic compounds, total petroleum hydrocarbons, Skinner List metals, iron, manganese, and chloride.



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1.0 Introduction

The Marathon Gallup Refinery (the Refinery) is located approximately 17 miles east of Gallup, New Mexico along the north side of Interstate Highway I-40 in McKinley County. The physical address is I-40, Exit #39 Jamestown, New Mexico 87347. The Marathon Gallup Refinery is located on 810 acres. Figure 1 presents the refinery location and the regional vicinity.

The Refinery has been indefinitely idled since August 2020. Historically, the Refinery generally processed crude oil transported to the facility by pipeline or tanker truck. Various process units were operated at the facility, including crude distillation, reforming, fluidized catalytic cracking, alkylation, sulfur recovery, merox treater, and hydrotreating. Refinery operations have produced gasoline, diesel fuels, jet fuels, kerosene, propane, butane, and residual fuel.

This investigation work plan addresses the Area of Concern (AOC) 35, which includes the main truck loading rack, crude slop and ethanol unloading facility, additive tank farm loading rack, and the retail tank farm (Figure 2). The initial AOC 35 investigation work plan was provided to the New Mexico Environment Department (NMED) in August 2018 and approved by NMED in September 2019. The initial investigation work plan was subsequently revised following discovery of a leaky underground transfer line in the vicinity of the main truck loading rack (October 2019). The revised work plan was submitted to NMED in February 2020 and approved by NMED in February 2021. Concurrently with development of the revised work plan, laser-induced fluorescence/hydraulic profiling (LIF/HP) events were scheduled and conducted at the Refinery in November 2019, February 2021, and May 2021. Subsequently, based on the LIF/HP results, a request to further revise the AOC 35 investigation work plan was submitted to NMED on August 3, 2021 and approved by NMED on August 10, 2021.

Much of the information presented in this work plan aligns with the previously submitted, and NMED-approved, AOC 35 investigation work plans. However, where applicable, additional information from the LIF/HP investigations are included. The goal of this investigation is to collect additional data to augment the understanding of the subsurface conditions within and hydraulically down gradient of AOC 35 using the previously collected LIF/HP data as a guide.

The investigation activities will be conducted in accordance with Section IV.H.5 of the Post-Closure Care Permit and the procedures outlined in this work plan.



2.0 Background

This section presents background information for the area of refinery property near AOC 35, including a review of historical waste management activities to help identify the following:

- Type and characteristics of waste and contaminants handled in the subject areas;
- Known and possible sources of contamination;
- History of operations; and
- Prior investigations.

2.1 Main Truck Loading Rack Area

The main truck loading rack is located in the southwestern area of the formerly active portion of the refinery property (Figure 2). The main loading racks cover an area approximately 100 feet by 120 feet and were used to load refined petroleum products (e.g., gasoline and diesel) into tanker trucks. The loading racks appear to have been in operation in this same location since at least 1962. There is no history of waste materials being handled at the loading racks.

Underground piping near the main loading racks include a sanitary sewer drain line running east to west, north of the loading rack, and oily water drain lines (process sewer lines) that run from the lab building to the loading rack and then continue to the north after picking up discharge from the loading rack sumps (Figure 2). The sumps were used to collect small spills on the loading rack concrete apron and de minimis volumes of product that drained from loading hoses.

There have been documented releases at the loading rack that were discovered and addressed at the time of the release, including notification to the appropriate regulatory agencies. On December 4, 2007, approximately 6,800 gallons of gasoline was spilled when a truck driver erroneously opened a valve on a tanker truck (Release Notification dated Dec. 7, 2007). On December 23, 2009, approximately 1,848 gallons of diesel fuel was spilled from a leaking underground pipeline at the west end of the loading rack (Release Notification dated Dec. 29, 2009).

2.2 Crude Slop and Ethanol Unloading Facility

This facility is located approximately 80 feet northwest of the main loading racks (Figure 2) and was used to unload recovered oil and transmix reclaimed from various locations within the refinery. The area was also used to unload ethanol delivered to the refinery via truck. It was originally put into service sometime before the 1990s. The unloading area is approximately 15 feet by 40 feet and includes a concrete pad and sump, overhead pipelines, and various connections to support unloading operations. The concrete pad and sump are connected to the process sewer.

2.3 Additive Tank Farm Loading Rack

Petroleum product additives were stored in aboveground tanks at the additive tank farm loading rack (Figure 2). These additive tanks are small aboveground tanks located approximately 150 feet west of



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the main loading rack. The additive tanks were installed prior to 1997, but the exact date is uncertain. Only products (i.e., fuel additives), no wastes, were managed in this area; methyl tert butyl ether (MTBE) is not, and has not been, stored in these tanks.

2.4 Marketing Tank Farm

The marketing tank farm (MKTF) is located approximately 150 feet northwest of the main loading racks and includes Tanks 1 – 8, 912, 913, 1001, and 1002 (Figure 2). Retail petroleum products (e.g., gasoline, diesel, and biodiesel) were stored in these tanks, and MTBE was stored in Tank 6, prior to discontinuation of its use in 2006; ethanol was stored in Tank 6 after the use of MTBE was discontinued. The first tanks were constructed in 1963 and have had routine inspections both external and internal since construction. The MKTF tanks have been cleaned and emptied and remain in place.

The fuels were delivered to the marketing tanks via pipelines run primarily aboveground. Ethanol was unloaded at the adjacent ethanol unloading facility and transferred to Tanks 5 and 6 via aboveground lines. The fuels and additives were subsequently transferred to the main loading racks via aboveground and underground pipelines where they were loaded into tanker trucks.

There have been documented releases at the marketing tank farm primarily from overfilling of the tanks. Two examples include:

- On December 31, 2007, approximately 1,344 gallons (32 barrels) of ethanol was spilled when a pressure gauge on Tank 5 became loose and began leaking (Release Notification dated Jan. 2, 2008).
- On March 7, 2008, approximately 840 gallons (20 barrels) of diesel fuel was spilled during filling when the transfer pump did not switch off at the preselected level (Release Notification dated March 10, 2008).

2.5 Historical AOC 35 Investigations

The earliest investigation in the area is referenced in Comprehensive Facility Investigation Work Plan that was prepared for the New Mexico Oil Conservation Division (NMOCD) in June 1997 (Giant Refining Company, 1997). The work plan references “groundwater impact area #4” as being in the vicinity of the truck loading rack. It is stated that the source of the impact was a spill of hydrocarbon that occurred in the early 1980s. The area is further described as having residual hydrocarbons present at low levels and declining through natural biodegradation. No quantitative information could be located to substantiate the description of the conditions provided in the 1997 work plan.

As part of the 2013/2014 interim measures to address a hydrocarbon seep area located to the northwest of the main loading racks (Figure 2), 44 new monitoring wells were installed near the loading racks (DiSorbo, 2016). These wells are identified by “MKTF” in the monitoring well name (MKTF-1 through MKTF-44). In addition, during the 2013 field reconnaissance process to locate potential drilling locations near the main loading racks, an unidentified well was located to the west of the main loading racks, it was subsequently named MKTF-45. Figures 3a and 3b depict the location of numerous



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monitoring wells (MKTF designation) in and around AOC 35 as well as fluid level elevations and potentiometric surface maps; the two figures depict the potentiometric surface before and after the discovery of a leaking transfer line (October 2019), as detailed in Section 2.6. Fluid level data are provided in Appendix A. These wells are primarily screened across the contact of the Chinle Group (Petrified Forest Formation) that forms an aquitard and the overlying alluvial/fluvial deposits (Quaternary Alluvium) (more geological information provided in Section 3).

Groundwater samples collected from the MKTF wells have shown the presence of petroleum hydrocarbons, including benzene, toluene, ethylbenzene, and xylene and related constituents (e.g., MTBE) at concentrations above screening levels (Appendix B). The distribution of these constituents, as shown on Figures 4a, 4b, 5a, and 5b, likely indicate a source of groundwater contamination from within AOC 35 ("a" and "b" in figure titles indicate before and after discovery of the leaking transfer line, respectively). Additional information pertaining to the distribution of SPH within this area is presented in the March 31, 2021 LIF/HP report (Trihydro, 2021). Analytical results for these wells are provided in Appendix B.

The process sewer drain lines that are present in the area (Figure 2) were also evaluated in the past to determine if they could be leaking. On July 8, 2013, one pint of fluorescent FWT red dye was poured into a sump/drain at the second bay from the south end at the truck loading rack. After several minutes the red dye was observed in the sewer box located on the west side of the bundle cleaning pad, confirming the flow of the drain from the truck rack to the north in the main process sewer pipeline.

Subsequently, a second pint of FWT red dye was added to the sewer box on the west side of the bundle pad. Excavations at the previously identified hydrocarbon seep area (located west of the crude tanks) were inspected each day after addition of the dye and on the 8th day, July 16, 2018, red dye was identified in one of the excavations. The dye was not initially detected in the soil borings/temporary wells located south the hydrocarbon seep and west of the marketing tanks, but only in the area where the seep was identified. During a later fluid gauging event on August 14, 2018, dye was observed in MKTF-03 and MKTF-10. The presence of dye in groundwater in the area of the seep was interpreted as indicating a likely release from the sewer system and a possible preferential migration pathway to northwest.

Following the results of the July 2013 dye test, two additional dye tests were conducted in the process sewer system. On September 23, 2013, one pint of a yellow/green dye (Spectroline Oil-Glo 44G Fluorescent yellow/green) introduced into the sewer at the Crude Slop and Ethanol Unloading area. On September 24, 2013, one pint of a FWT red dye was introduced at the lab sinks. On September 25, 2013, green dye was detected at the hydrocarbon seep. A fluid level gauging event was conducted at the MKTF monitoring wells on September 26, 2013; the red dye was identified in five of the temporary wells [SB01 (MKTF-03), SB02, SB16 (MKTF-10), SB17 (MKTF-11), and SB22 (MKTF-14)], all of which are located just south of the road that runs east-west along the north side of the marketing tanks. The green/yellow dye appeared to be present in nine locations [SB04, SB05, SB06 (MKTF-05), SB08 (MKTF-06), SB10 closer to the crude slop and ethanol unloading area. Although the dye tests were not conclusive, the separate patterns of the two dyes suggest the possibility of two separate release points



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from the sewer line. In 2019, the main oily sewer lines in the vicinity of the marketing tank farm were visually inspected using a camera and were generally determined to be in relatively good condition with no obvious breaks. Smaller lines were not inspected so the condition of the lines is unknown. The Refinery is indefinitely idled at this time and the sewer is currently not in operation and blocked off.

2.6 October 2019 Underground Transfer Line Release and Laser-Induced Fluorescence Investigation

On October 27, 2019 an area of soil staining and surfaced product was observed to the west of the Truck loading rack in a stormwater drainage ditch. Investigation efforts identified an underground product transfer line leaking gasoline on the north side of the Truck loading rack (Figure 7). As part of the initial spill response efforts, the pipeline was taken out of service, an earthen berm was placed to stop flow in the stormwater ditch, and fluids present in the ditch were recovered. The spill and spill response were reported on November 7, 2019 to NMED and NMOCD via Form C-141, a copy of which is included in Appendix C.

After the release was identified, fluid levels were checked in nearby monitoring wells to determine if the gasoline (expressed as separate-phase hydrocarbon [SPH]) was present. Monitoring well fluid level measurements before and after the release (3rd quarter 2019 and 1st quarter 2020) are shown on Figures 3a and 3b, respectively. All measurements through June 2021 are provided in Appendix A; fluid level measurements around AOC 35 are currently recorded on a monthly basis. These measurements show SPH appearing for the first time in wells MKTF-13 on January 15, 2020, MKTF-17 on November 19, 2019, MKTF-19 on December 2, 2019. In addition, significant increases in the measured thickness of SPH occurred in wells MKTF-05 on November 13, 2019, MKTF-06 on December 2, 2019, MKTF-07 on December 19, 2019, MKTF-36 on November 6, 2019, and MKTF-45 on October 31, 2019. SPH thickness in the monitoring wells before and after the release (3rd quarter 2019 and 1st quarter 2020) are shown on Figures 6a and 6b, respectively.

To further investigate the extent of the gasoline release an LIF/HP event was conducted in November 2019 consisting of 18 locations within and immediately downgradient (to the west) of AOC 35. The ultraviolet optical screening tool (UVOST) used during the November 2019 LIF/HP event identified multiple product signatures (i.e., gasoline, diesel, and naphtha) and some degree of impacts at all 18 locations. After review of the LIF/HP results, the subsurface investigation was expanded in February 2021 with the addition of 37 LIF/HP locations around the peripheral of AOC 35 (north, south, and west), primarily in the direction of groundwater migration (west). Some additional LIF/HP locations were also added in the vicinity of AOC 35 in May 2021 to further bound the observed extent of impacts. The LIF/HP investigation locations and observed product signatures are depicted on Figure 7. Results from November 2019 and February 2021 LIF/HP investigation were submitted to NMED in a report dated March 31, 2021. A report regarding LIF/HP results sitewide (i.e., including the May 2021 data) is currently in development and due to be submitted to NMED by October 31, 2021.



3.0 Site Conditions

3.1 Surface Conditions

Site topographic features include high ground in the southeast gradually decreasing to a lowland fluvial plain to the northwest. Elevations on the refinery property range from 7,040 feet to 6,860 feet. Surface soils within most of the area of investigation are primarily Rehobeth silty clay loam. Rehobeth soil properties include a pH ranging from 8 to 9 standard units and salinity naturally occurring and typically measuring up to approximately 8 mmhos/cm.

The site is located in the Puerco River Valley, north of the Zuni Uplift with overland flows directed northward to the tributaries of the Puerco River. The Puerco River continues to the west to the confluence with the Little Colorado River. The South Fork of the Puerco River is intermittent and retains flow only during and immediately following precipitation events. Additional regional surface water features include the refinery evaporation ponds.

3.2 Subsurface Conditions

The shallow subsurface soils consist of fluvial and alluvial deposits comprised of clay and silt with minor inter-bedded sand layers. Very low permeability bedrock (e.g., claystones and siltstones) underlie the surface soils and effectively form an aquitard. The Chinle Group, which is Upper Triassic, crops out over a large area on the southern margin of the San Juan Basin. The uppermost recognized local Formation is the Petrified Forest Formation and the Sonsela Sandstone Bed is the uppermost recognized regional aquifer. Aquifer test of the Sonsela Bed northeast of Prewitt indicated a transmissivity of greater than 100 ft²/day (Stone and others, 1983). The Sonsela Sandstone's highest point occurs southeast of the site and slopes downward to the northwest as it passes under the refinery. The Sonsela Sandstone forms a water-bearing reservoir with artesian conditions throughout the central and western portions of the refinery property.

The diverse properties and complex irregular stratigraphy of the surface soils across the site cause a wide range of hydraulic conductivity ranging from less than 10⁻² cm/sec for gravel like sands immediately overlying the Petrified Forest Formation to 10⁻⁸ cm/sec in the clay soils located near the surface (Western, 2009). Generally, shallow groundwater at the refinery follows the upper contact of the Petrified Forest Formation with prevailing flow from the southeast to the northwest, although localized areas may have varying flow directions (Figure 3a and Figure 3b). Fluid level measurements for wells in the area of AOC 35 are included in Appendix A.



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4.0 Scope of Services

This investigation of soil and groundwater will be conducted to further characterize the subsurface conditions within and downgradient of AOC 35 by supporting the LIF/HP investigation results with analytical results. If possible, a correlation will be created between the analytical results and individual UVOST signatures. The investigation will commence upon approval of this Investigation Work Plan by NMED.

4.1 AOC 35 Investigation

Out of the November 2019, February 2021, and May 2021 LIF/HP investigation locations in the vicinity of AOC 35, detailed in Section 2.6 and depicted on Figure 7, 10 locations have been selected for screening and sampling (Figure 8). The 10 locations were selected based on their UVOST signatures as well as their geographic location. The selected locations will provide two analytical data sets for each of the identified product types within AOC 35 (i.e., gasoline, diesel, and comingled gasoline/diesel), two analytical data sets for locations at the western edge of identified impacts, and two analytical data sets for locations with residual/no UVOST response. The locations listed below were selected for screening and sampling based on the UVOST waveform results, the total depth of the borings are provided in parentheses:

- Gasoline signatures
 - MKTF-LIF-47 - (31.20 ft-bgs)
 - MKTF-LIF-66 - (18.58 ft-bgs)
- Diesel signatures
 - MKTF-LIF-37 - (29.24 ft-bgs)
 - MKTF-LIF-42 - (31.51 ft-bgs)
- Gasoline/diesel mixture signatures
 - MKTF-LIF-36 - (27.04 ft-bgs)
 - MKTF-LIF-46 - (34.66 ft-bgs)
- Western edge of identified impacts
 - MKTF-LIF-62 - (34.76 ft-bgs)
 - MKTF-LIF-74 - (21.33 ft-bgs)
- Residual/no UVOST response
 - MKTF-LIF-71 - (25.29 ft-bgs)
 - MKTF-LIF-78 - (29.29 ft-bgs)



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The LIF/HP depth will be utilized to determine the target depth for each co-located sample location; specifics regarding the soil screening and sampling intervals are provided in Section 4.2. The UVOST boring logs for the 10 selected LIF/HP locations are provide in Appendix D.

In addition to the proposed screening/sampling, an effort will be made to determine the screened interval of monitoring well MKTF-45 (Figure 8). As detailed in Section 2.5, MKTF-45 was discovered in the vicinity of the main truck loading rack (~160 feet southwest) in 2013, however, a detailed construction log for this well was never discovered. A down hole camera will be deployed at this location in an attempt to determine the screened interval.

4.2 Soil Sample Field Screening, Sampling, and Logging

The soil borings may be completed via hand augers or a geo-probe direct push rig; macrocore will be used for shallow intervals, dual tube will be used for deeper intervals. Alternatively, hollow-stem augers may be used instead. The drilling equipment will be properly decontaminated before drilling each boring. The NMED will be notified as early as practicable if conditions arise or are encountered that do not allow the advancement of borings to the specified depths or at planned sampling locations.

Soil cores and associated samples will be screened in the field on 3.0-foot intervals for evidence of contaminants. Field screening results will be recorded on the exploratory boring logs. The primary screening methods include: (1) visual examination, (2) olfactory examination, and (3) headspace vapor screening for volatile organic compounds (VOCs).

Visual screening includes examination of soil samples for evidence of staining caused by petroleum-related compounds or other substances that may cause staining of natural soils. Headspace vapor screening targets volatile organic compounds and involves placing a soil sample in a plastic sample bag allowing space for ambient air. The container will be sealed and then shaken gently to expose the soil to the air trapped in the container. The sealed container will be allowed to rest while vapors equilibrate. Vapors present within the sample bag's headspace will then be measured by inserting the probe of the instrument in a small opening in the bag. The maximum value and the ambient air temperature will be recorded on the field boring or test pit log for each interval. Note that if samples are cold (i.e., below 32 degrees Fahrenheit) they will be sealed in airtight bags and warmed in a heated building and/or vehicle before screening.

The monitoring instruments will be calibrated each day to the manufacturer's standard for instrument operation. A photoionization detector equipped with a 10.6 or higher electron volt (eV) lamp or a combustible gas indicator may be used for VOC field screening. Field screening results may be site- and boring-specific and the results may vary with instrument type. The media screened, weather conditions, moisture content, soil type, and type of contaminant, will be recorded on the field logs.

For locations with observed impacts on the UVOST boring log, discrete soil samples will be collected from each boring for laboratory analyses every 3 feet until reaching the final depth of the corresponding LIF/HP borehole. For locations with residual/no UVOST response, soil samples will be collected every 6 feet until reaching final depth of the corresponding LIF/HP borehole. The physical characteristics of the



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samples (such as mineralogy, ASTM soil classification, moisture content, texture, color, presence of stains or odors, and/or field screening results), depth where each sample was obtained, method of sample collection, and other observations will be recorded in the field log by a qualified geologist. Additional information, such as the presence of water-bearing zones and any unusual or noticeable conditions encountered during drilling, will also be recorded on the logs.

Quality Assurance/Quality Control samples will be collected to monitor the validity of the soil sample collection procedures as follows:

- Field duplicates will be collected at a rate of 10 percent of the overall samples
- Equipment blanks will be collected at a frequency of one per day

4.2.1 Sample Handling

At a minimum, the following procedures will be used at all times when collecting and screening samples:

1. New disposable nitrile gloves will be used to collect each sample.
2. Samples will be transferred from the sample retrieval device (e.g., macrocore, dual tube, split-spoon, hand auger, etc.) directly into clean sample containers supplied by the project analytical laboratory and/or clean field screening containers (e.g., Ziplock® baggies). Sample container volumes and preservation methods will be in accordance with the most recent standard Environmental Protection Agency (EPA) and industry accepted practices for use by accredited analytical laboratories. Sufficient sample volume will be collected for the laboratory to complete the method-specific QC analyses on a laboratory-batch basis.
3. Sample labels and documentation will be completed as each sample is collected. Immediately after the samples are collected, they will be stored in a cooler with ice, or other appropriate storage method, until they are packaged for delivery to the analytical laboratory. Method holding times will be reviewed to ensure delivery of samples with adequate time for extraction/analysis.
4. Chain-of-custody and shipment procedures will include the following:
 - Chain-of-custody forms will be completed at the end of each sampling day, prior to the transfer of samples off site.
 - Chain-of-custody forms will be completed at the end of each sampling day, prior to the transfer of samples off site.
 - Individual sample containers will be packed to prevent breakage and transported in a sealed cooler with ice. The drainage hole at the bottom of the cooler will be sealed and secured in case of sample container leakage.
 - Temperature blanks will be included with each shipping container.
 - Each container will be shipped directly to the analytical laboratory.



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- A chain-of-custody form will be placed inside each container.
- Custody seals will be signed, dated, and used to seal the sample-shipping container, in conformance with EPA protocol.
- Upon receipt of the samples at the laboratory, the custody seals will be broken, the chain-of-custody form will be signed as received by the laboratory, and the conditions of the samples will be recorded. The original chain-of-custody form will remain with the laboratory and copies will be returned to the relinquishing party.
- Copies of all chain-of-custody forms generated as part of sampling activities will be maintained on-site.

4.3 Collection and Management of Investigation Derived Waste

Drill cuttings, excess sample material and decontamination fluids, and all other investigation derived waste (IDW) associated with soil borings will be contained and characterized using methods based on the boring location, boring depth, drilling method, and type of contaminants suspected or encountered. All decontamination water will be characterized prior to disposal unless it is disposed in the refinery wastewater treatment system upstream of the new API Separator. An IDW management plan is included as Appendix E.

Field equipment requiring calibration will be calibrated to known standards, in accordance with the manufacturers' recommended schedules and procedures. At a minimum, calibration checks will be conducted daily, or at other intervals approved by the Department, and the instruments will be recalibrated as necessary. Calibration measurements will be recorded in the daily field logs. If field equipment becomes inoperable, its use will be discontinued until the necessary repairs are made. In the interim, a properly calibrated replacement instrument will be used.

4.4 Documentation of Field Activities

Daily field activities, including observations and field procedures, will be recorded on field forms or in a field logbook. Copies of the completed forms will be maintained in a bound and sequentially numbered field file for reference during field activities. Indelible ink will be used to record all field activities. Photographic documentation of field activities will be performed, as appropriate. The daily record of field activities will include the following:

1. Site or unit designation;
2. Date;
3. Field investigation team members including subcontractors and visitors;
4. Weather conditions;
5. Observations;
6. Record of samples collected with sample designations and locations specified;



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7. Photographic log, as appropriate;
8. Field monitoring data, including health and safety monitoring;
9. Equipment used and calibration records, if appropriate;
10. List of additional data sheets and maps completed;

4.5 Chemical Analyses

All samples collected for laboratory analysis will be submitted to Hall laboratory. The laboratory will use the most recent standard EPA and industry-accepted analytical methods for target analytes as the testing methods for each medium sampled. Chemical analyses will be performed in accordance with the most recent EPA standard analytical methodologies and extraction methods.

Soil samples will be analyzed for the following :

- VOCs (SW-846 Method 8260 or similar)
- semi-volatile organic compounds (SW-846 Method 8270 or similar)
- gasoline range (C5-C10), diesel range (>C10-C28), and motor oil range (>C28-C36) organics (SW-846 Method 8015B or similar)
- 1,2-dichloroethane (EDB) (EPA Method 8011 or similar)
- 1,4-dioxane (EPA Method 8270 Selected Ion Monitoring [SIM] or similar)

Soil samples will also be analyzed for the following Skinner List metals, iron, and manganese using the indicated analytical methods shown, or the most recent standard EPA and/or industry-accepted analytical methods.



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Inorganic Analytical Methods

Analyte	Analytical Method
Antimony	SW-846 method 6010/6020
Arsenic	SW-846 method 6010/6020
Barium	SW-846 method 6010/6020
Beryllium	SW-846 method 6010/6020
Cadmium	SW-846 method 6010/6020
Chromium	SW-846 method 6010/6020
Cobalt	SW-846 method 6010/6020
Cyanide	SW-846 method 335.4/335.2 mod
Lead	SW-846 method 6010/6020
Mercury	SW-846 method 7470/7471
Nickel	SW-846 method 6010/6020
Selenium	SW-846 method 6010/6020
Silver	SW-846 method 6010/6020
Vanadium	SW-846 method 6010/6020
Zinc	SW-846 method 6010/6020
Iron	SW-846 method 6010/6020
Manganese	SW-846 method 6010/6020
Chloride	EPA method 300.0



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5.0 References

- DiSorbo. 2016. Interim Measures Report Hydrocarbon Seep Area, Western Refining Gallup Refinery, p. 15.
- Giant Refining Company. 1997. Comprehensive Facility Investigation Work Plan (Stage 1 Abatement Plan), Giant Refining Company Ciniza Refinery, p. 7.
- NMED. 2019. Risk Assessment Guidance for Site Investigation and Remediation, New Mexico Environment Department.
- Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizel, N.H., and Padgett, E.T. 1983. Hydrogeology and Water Resources of San Juan Basin, New Mexico; Hydrogeologic Report 6, New Mexico Bureau of Mines and Mineral Resources, p. 70.
- Trihydro. 2021. LIF/HP Investigation Report, Marathon Petroleum Company LP, Gallup Refinery.
- Western. 2009. Facility-wide Groundwater Monitoring Plan: Gallup Refinery, p. 97.



MRLS Revised Investigation Work Plan No. 2

Figures

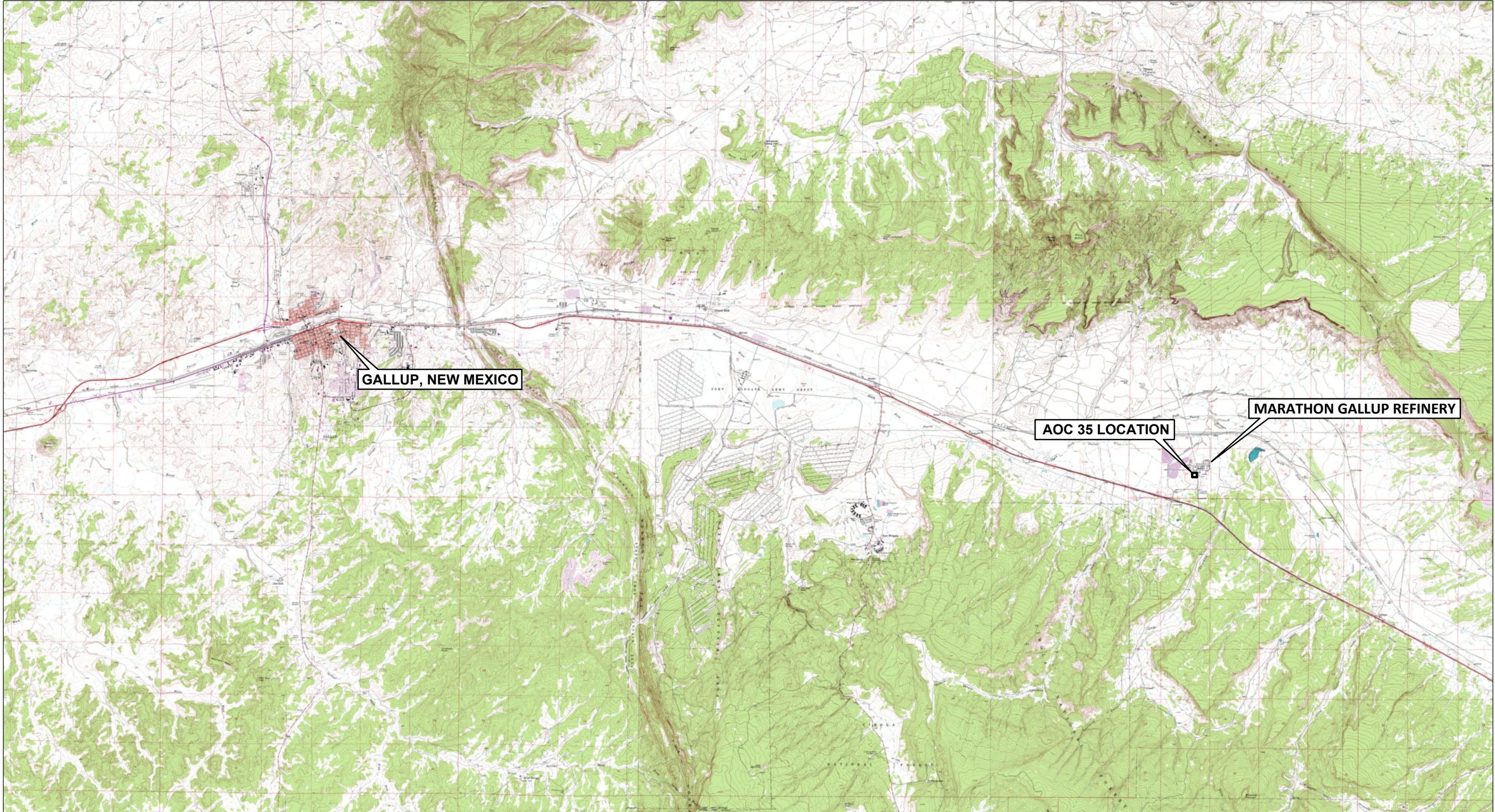


Image Cite: U.S. Geological Survey, 1:24,000--Scale 7.5 Minute Digital Raster Graphic Quadrangle, McKinley County, Publication: 2004



QUADRANGLE LOCATION

NOTES:

1. SITE LEGAL DESCRIPTION - TOWNSHIP 15 NORTH, RANGE 15 WEST, SECTION 33
2. AOC = AREA OF CONCERN

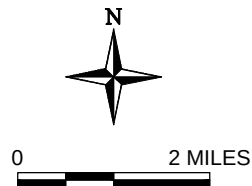


FIGURE 1

SITE LOCATION MAP

**WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Drawn By: REP | Checked By: JP | Scale: 1" = 2 MILES | Date: 8/20/2021 | File: 697-GALLUPAOC35-SITELOC_2021

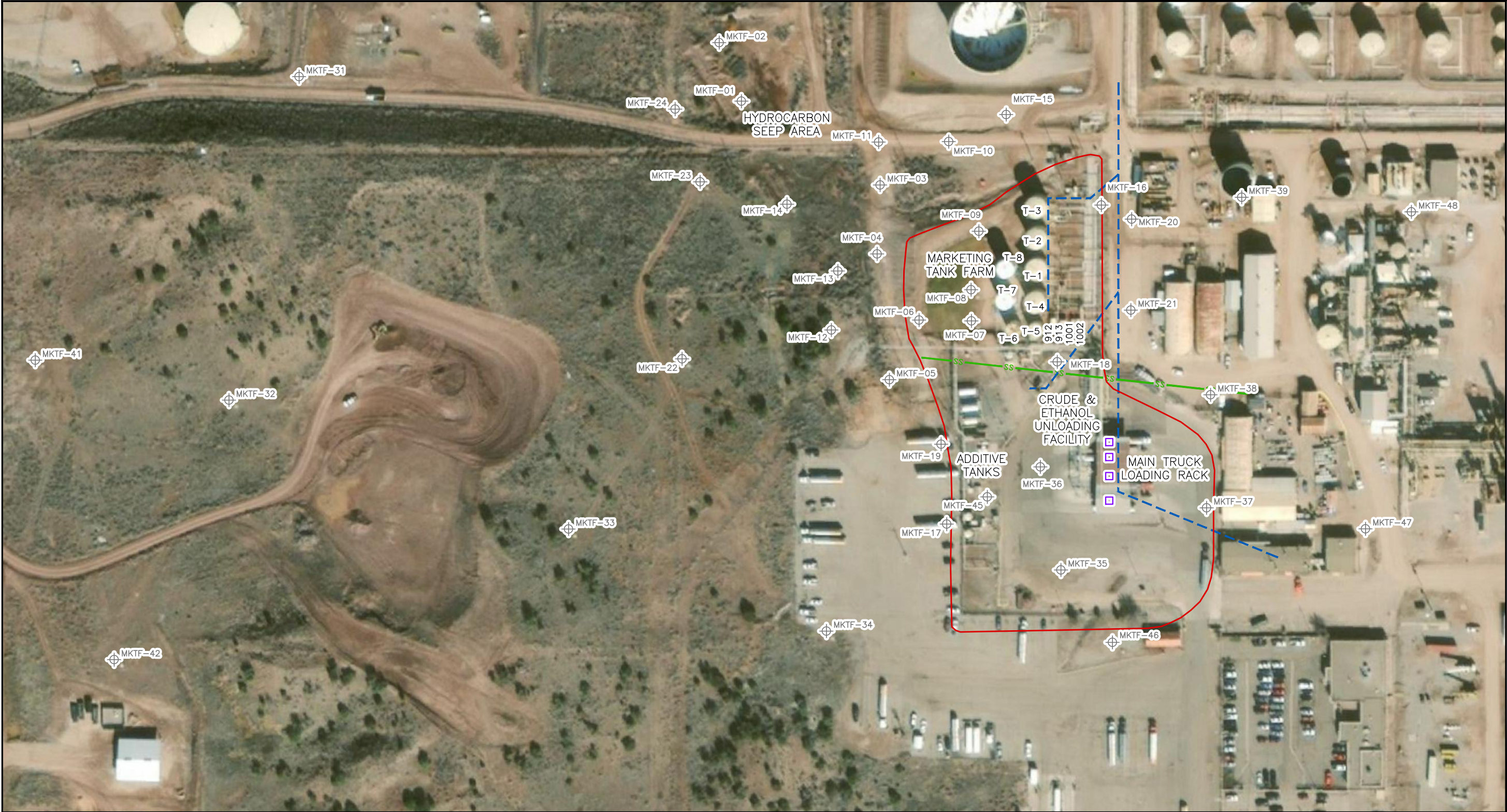
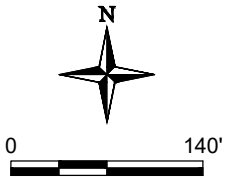


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EXPLANATION			
	MKTF-34	EXISTING MONITORING WELL LOCATION AND DESIGNATION	 AOC 35 BOUNDARY
		EXISTING SUMP LOCATION	 OILY WATER DRAIN LINE
			 SANITARY SEWER LINE



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	AOC 35 MAP			
	WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
	Drawn By: REP	Checked By: MS	Scale: 1" = 140'	Date: 8/23/2021
		File: 697-GALLUPAOC35-SITEMAP_2021		

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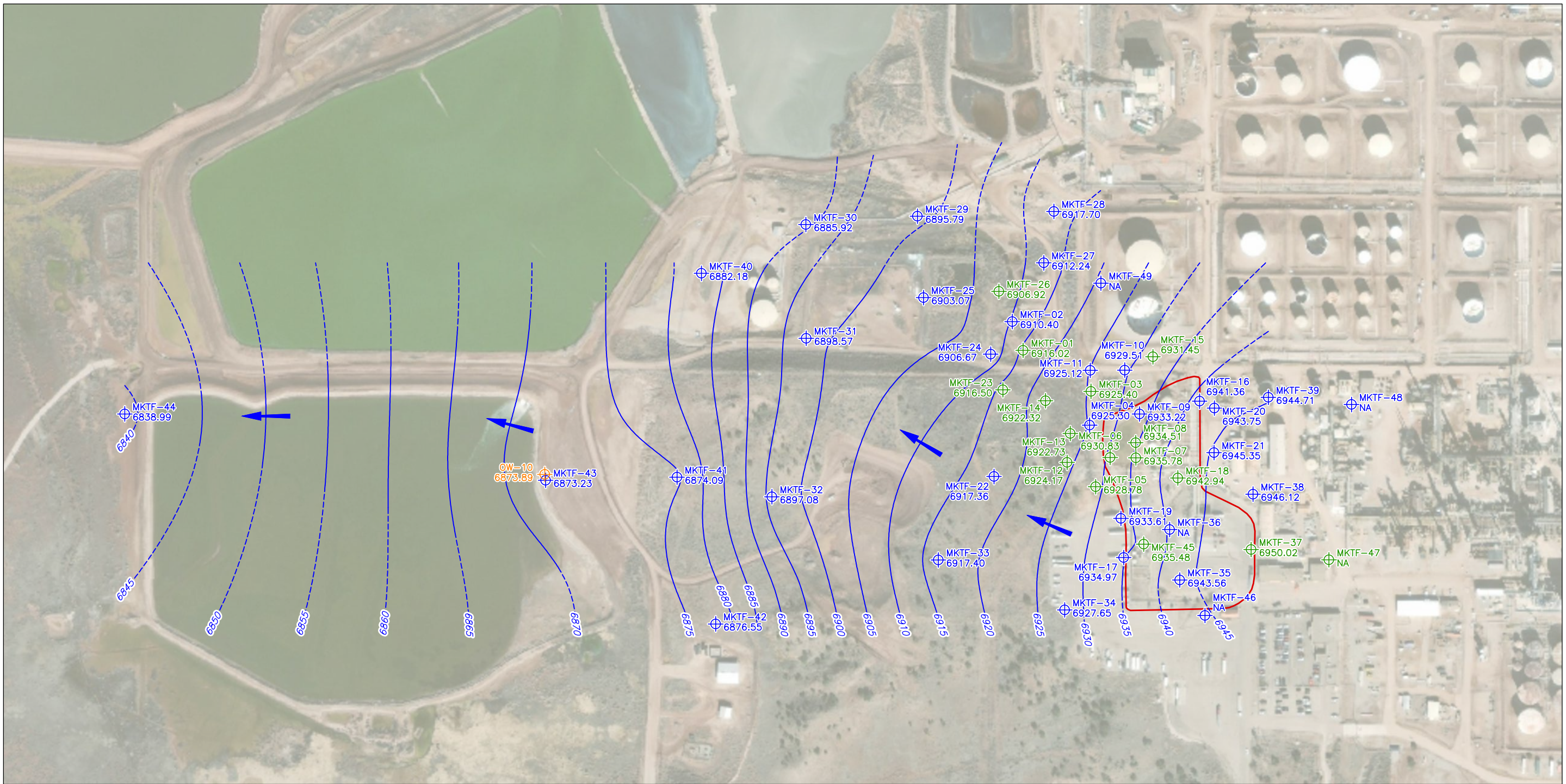
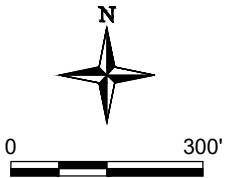


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EXPLANATION

- MKTF-42 6876.55 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING GROUNDWATER ELEVATION IN FT AMSL)
- OW-10 SONSELA WELL AND DESIGNATION
- MKTF-45 SPH MONITORING WELL AND DESIGNATION
- 6510----- LINE OF EQUAL GROUNDWATER ELEVATION IN FT AMSL, DASHED WHERE INFERRED (APPROXIMATE) UPPER WATER-BEARING ZONE
- AOC 35 BOUNDARY

- GROUNDWATER FLOW DIRECTION
- FT AMSL FEET ABOVE MEAN SEA LEVEL
- NA NOT APPLICABLE
- SPH SEPARATE-PHASE HYDROCARBON



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FIGURE 3A			
POTENTIOMETRIC SURFACE MAP (THIRD QUARTER 2019)			
WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: MS	Scale: 1" = 300'	Date: 11/20/20
		File: 697-GALLUPAOC35-PS-Q3_2019	

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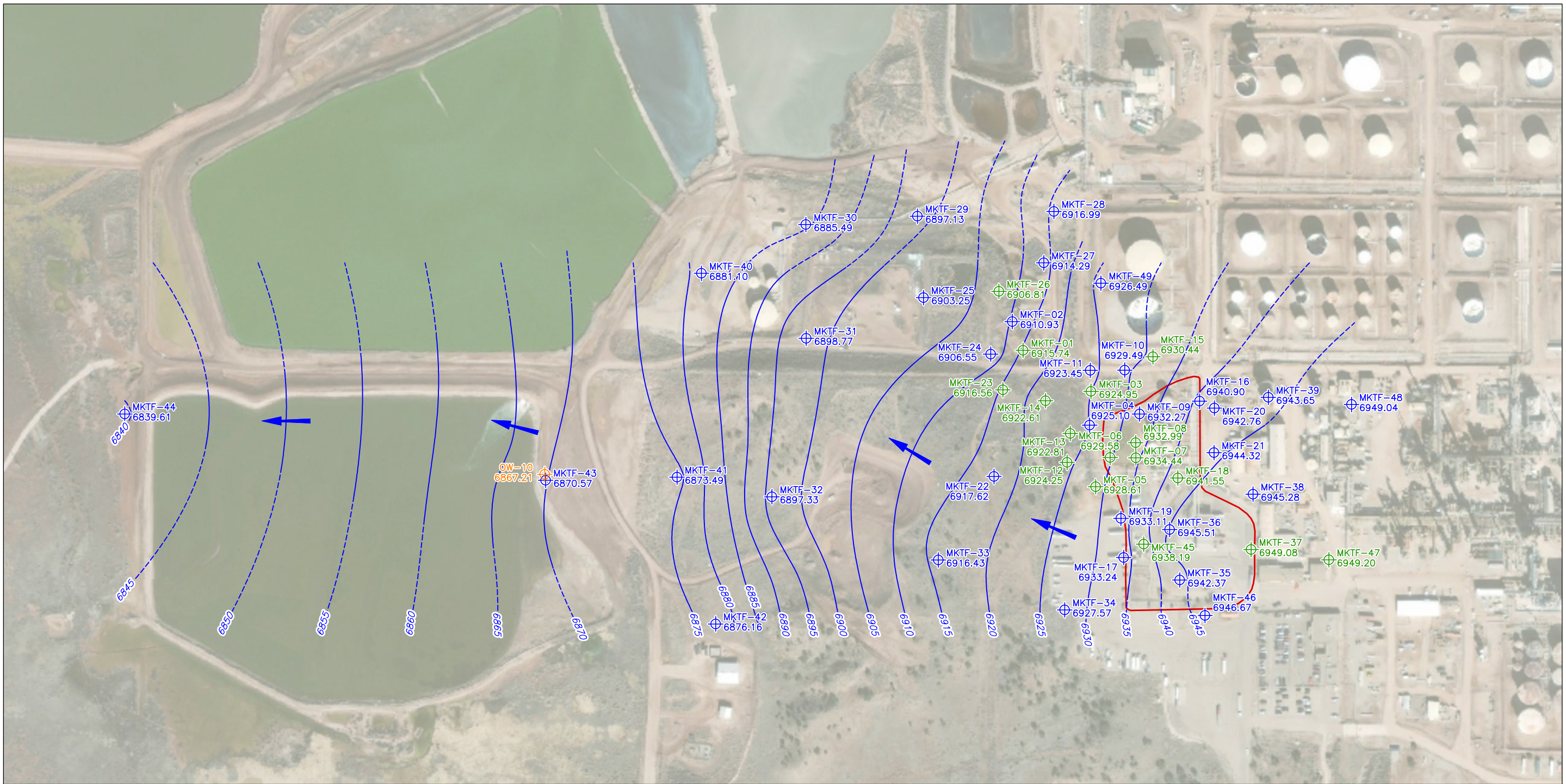
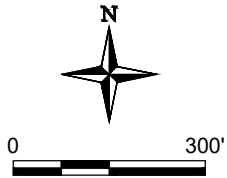


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EXPLANATION

- MKTF-42 6876.16 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING GROUNDWATER ELEVATION IN FT AMSL)
- OW-10 SONSELA WELL AND DESIGNATION
- MKTF-45 SPH MONITORING WELL AND DESIGNATION
- 6510 --- LINE OF EQUAL GROUNDWATER ELEVATION IN FT AMSL, DASHED WHERE INFERRED (APPROXIMATE) UPPER WATER-BEARING ZONE
- AOC 35 BOUNDARY

- GROUNDWATER FLOW DIRECTION
- FT AMSL FEET ABOVE MEAN SEA LEVEL
- SPH SEPARATE-PHASE HYDROCARBON



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FIGURE 3B			
POTENTIOMETRIC SURFACE MAP (FIRST QUARTER 2020)			
WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: MS	Scale: 1" = 300'	Date: 8/23/21
File: 697-GALLUPAOC35-PS-Q1_2020			

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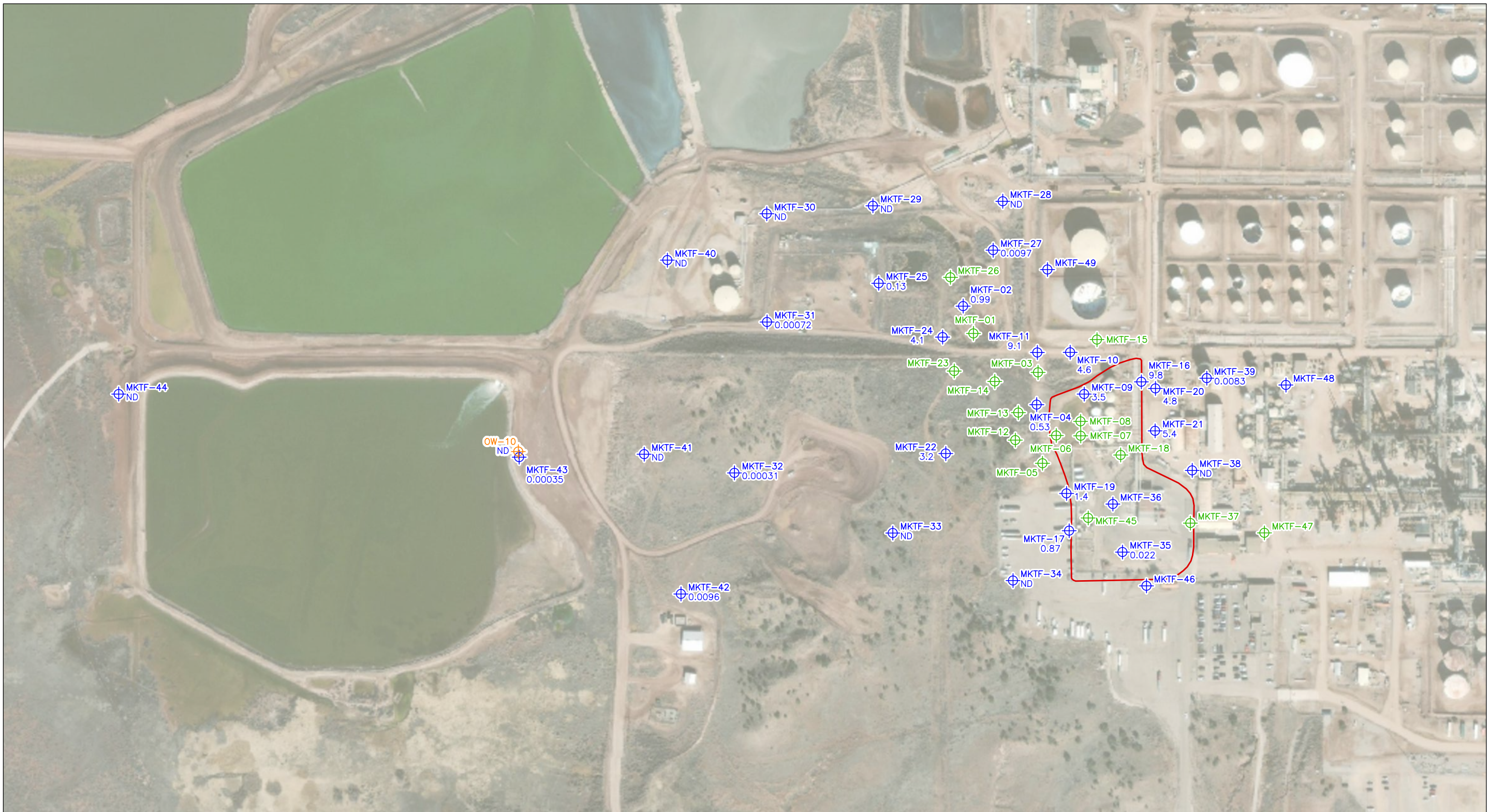


Image Cite: DigitalGlobe © CNES (2019) Distribution Airbus DS © Microsoft Corporation, BING Imagery

NOTES:

1. ALL VALUES ARE IN MILLIGRAMS PER LITER (mg/L).
2. WELLS WITHOUT CONCENTRATIONS WERE NOT SAMPLED FOR BENZENE THIS REPORTING PERIOD.

- MKTf-42
0.0096
- OW-10
- MKTf-45

AOC 35 BOUNDARY
SPH

EXPLANATION

- CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING BENZENE CONCENTRATION IN mg/L)
- SONSELA WELL AND DESIGNATION
- SPH MONITORING WELL AND DESIGNATION
- AOC 35 BOUNDARY
- SEPARATE-PHASE HYDROCARBON

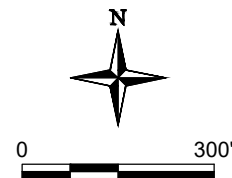


FIGURE 4A

**BENZENE CONCENTRATION MAP
(THIRD QUARTER 2019)**

**WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Drawn By: REP | Checked By: MS | Scale: 1" = 300' | Date: 11/24/20 | File: 697-GALLUPAOC35-BENZENEQ3-2019

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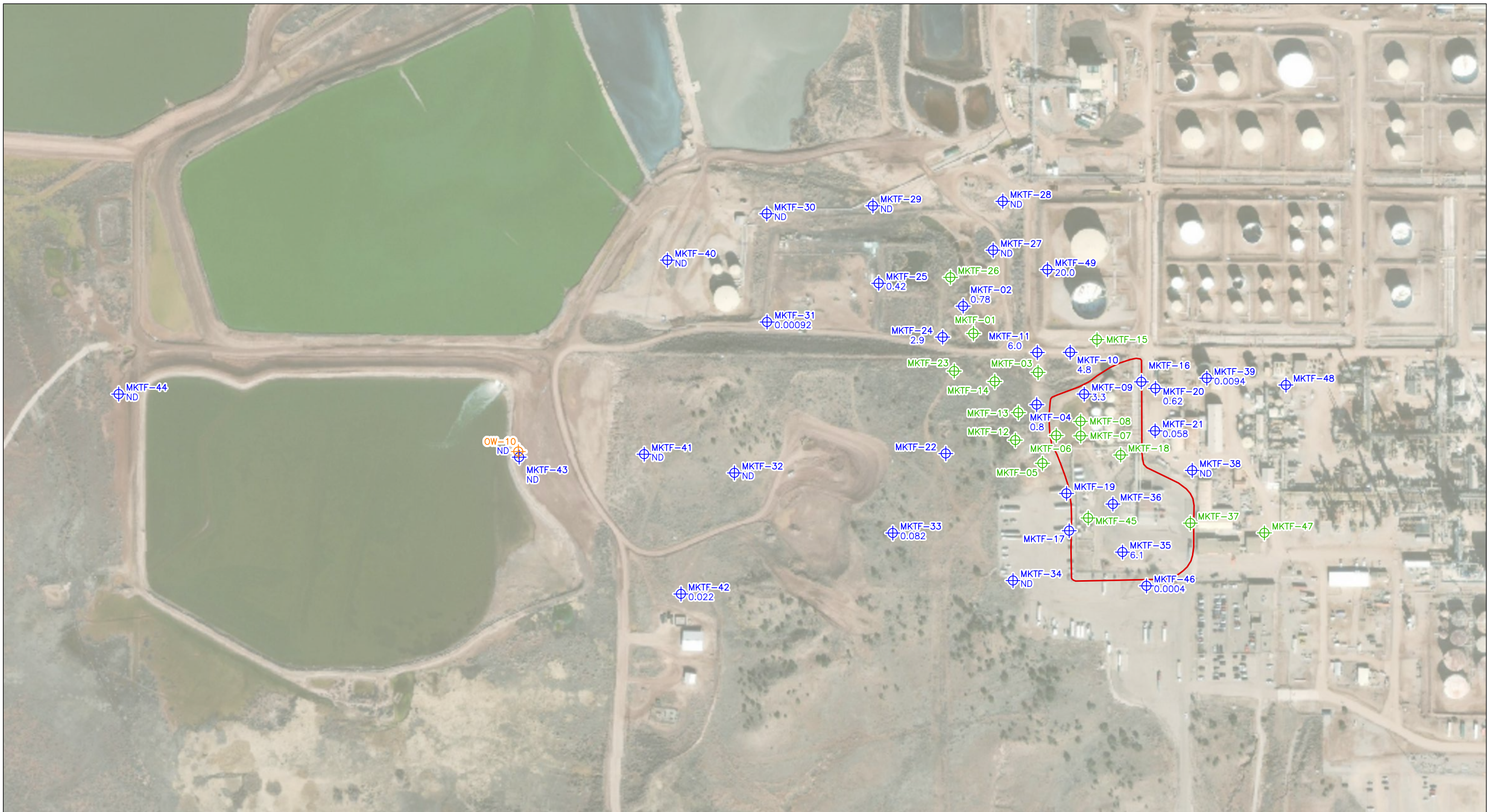


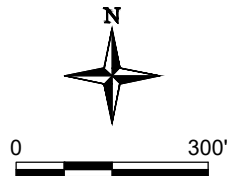
Image Cite: DigitalGlobe © CNES (2019) Distribution Airbus DS © Microsoft Corporation, BING Imagery

NOTES:

- 1. ALL VALUES ARE IN MILLIGRAMS PER LITER (mg/L).
- 2. WELLS WITHOUT CONCENTRATIONS WERE NOT SAMPLED FOR BENZENE THIS REPORTING PERIOD.

EXPLANATION

- MKTF-42 0.022 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING BENZENE CONCENTRATION IN mg/L)
- OW-10 SONSELA WELL AND DESIGNATION
- MKTF-45 SPH MONITORING WELL AND DESIGNATION
- AOC 35 BOUNDARY
- SPH SEPARATE-PHASE HYDROCARBON



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FIGURE 4B			
BENZENE CONCENTRATION MAP (FIRST QUARTER 2020)			
WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: MS	Scale: 1" = 300'	Date: 11/24/20
File: 697-GALLUPAOC35-BENZENEQ1-2020			

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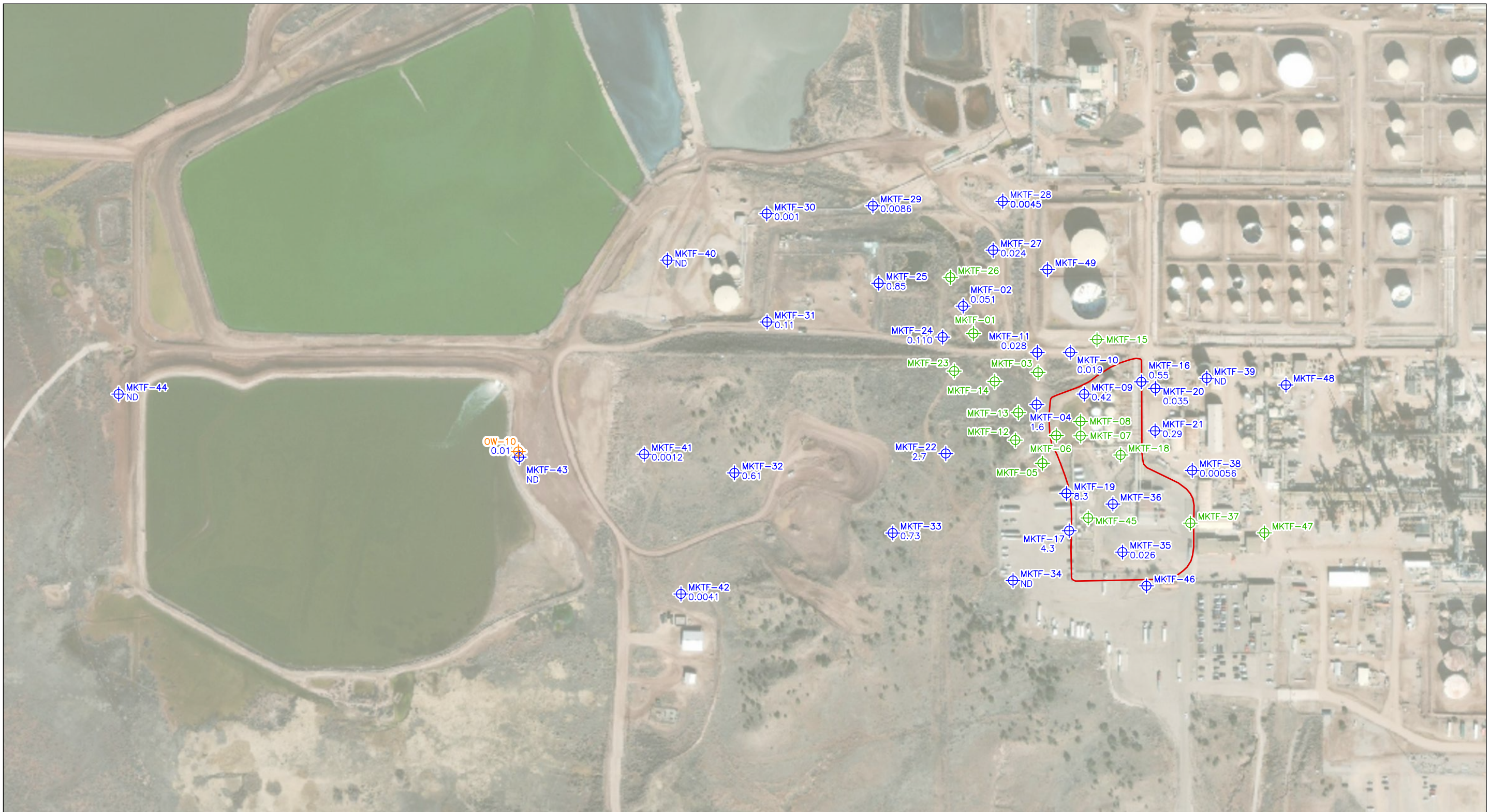


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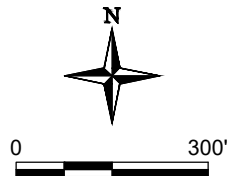
NOTES:

1. ALL VALUES ARE IN MILLIGRAMS PER LITER (mg/L).
2. WELLS WITHOUT CONCENTRATIONS WERE NOT SAMPLED FOR MTBE THIS REPORTING PERIOD.

- ⊕ MKTF-42
0.0041
- ⊕ OW-10
0.01
- ⊕ MKTF-45
- SPH
- MTBE

EXPLANATION

- ⊕ CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION
(SHOWING MTBE CONCENTRATION IN mg/L)
- ⊕ SONSELA WELL AND DESIGNATION
- ⊕ SPH MONITORING WELL AND DESIGNATION
- AOC 35 BOUNDARY
- SEPARATE-PHASE HYDROCARBON
- METHYL TERT BUTYL ETHER



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FIGURE 5A

**MTBE CONCENTRATION MAP
(THIRD QUARTER 2019)**

**WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Drawn By: REP Checked By: MS Scale: 1" = 300' Date: 8/24/21 File: 697-GALLUPAOC35-MTBE_Q3-2019

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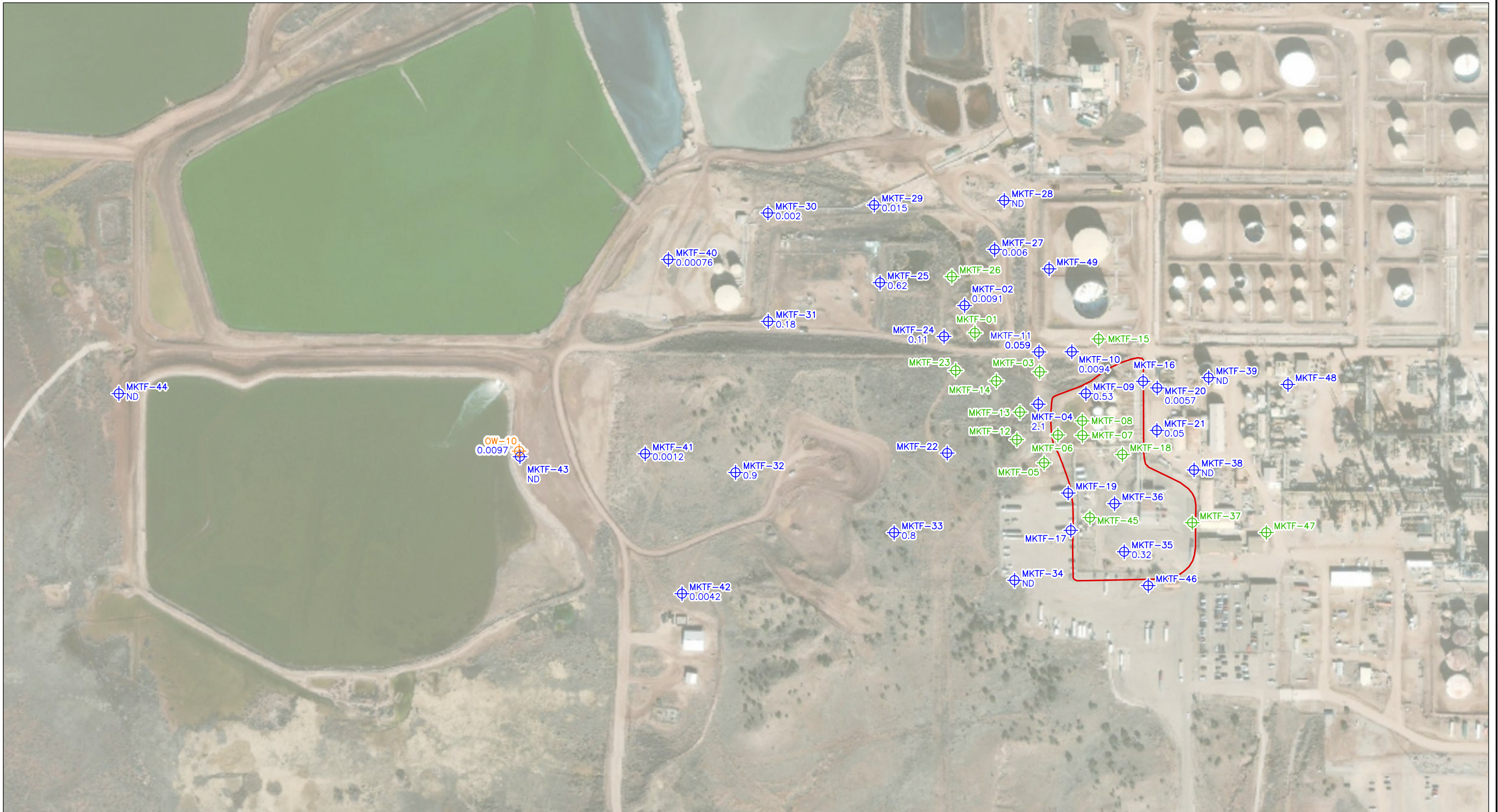


Image Cite: DigitalGlobe © CNES (2019) Distribution Airbus DS © Microsoft Corporation, BING Imagery

NOTES:

- 1. ALL VALUES ARE IN MILLIGRAMS PER LITER (mg/L).
- 2. WELLS WITHOUT CONCENTRATIONS WERE NOT SAMPLED FOR MTBE THIS REPORTING PERIOD.

⊕ MKTF-42
0.0042

⊕ OW-10

⊕ MKTF-45

SPH
MTBE

EXPLANATION

CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION
(SHOWING MTBE CONCENTRATION IN mg/L)

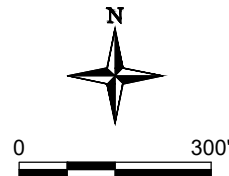
SONSELA WELL AND DESIGNATION

SPH MONITORING WELL AND DESIGNATION

AOC 35 BOUNDARY

SEPARATE-PHASE HYDROCARBON

METHYL TERT BUTYL ETHER



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FIGURE 5B

**MTBE CONCENTRATION MAP
(FIRST QUARTER 2020)**

**WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Drawn By: REP Checked By: MS Scale: 1" = 300' Date: 8/24/21 File: 697-GALLUPAOC35-MTBE_Q1-2020

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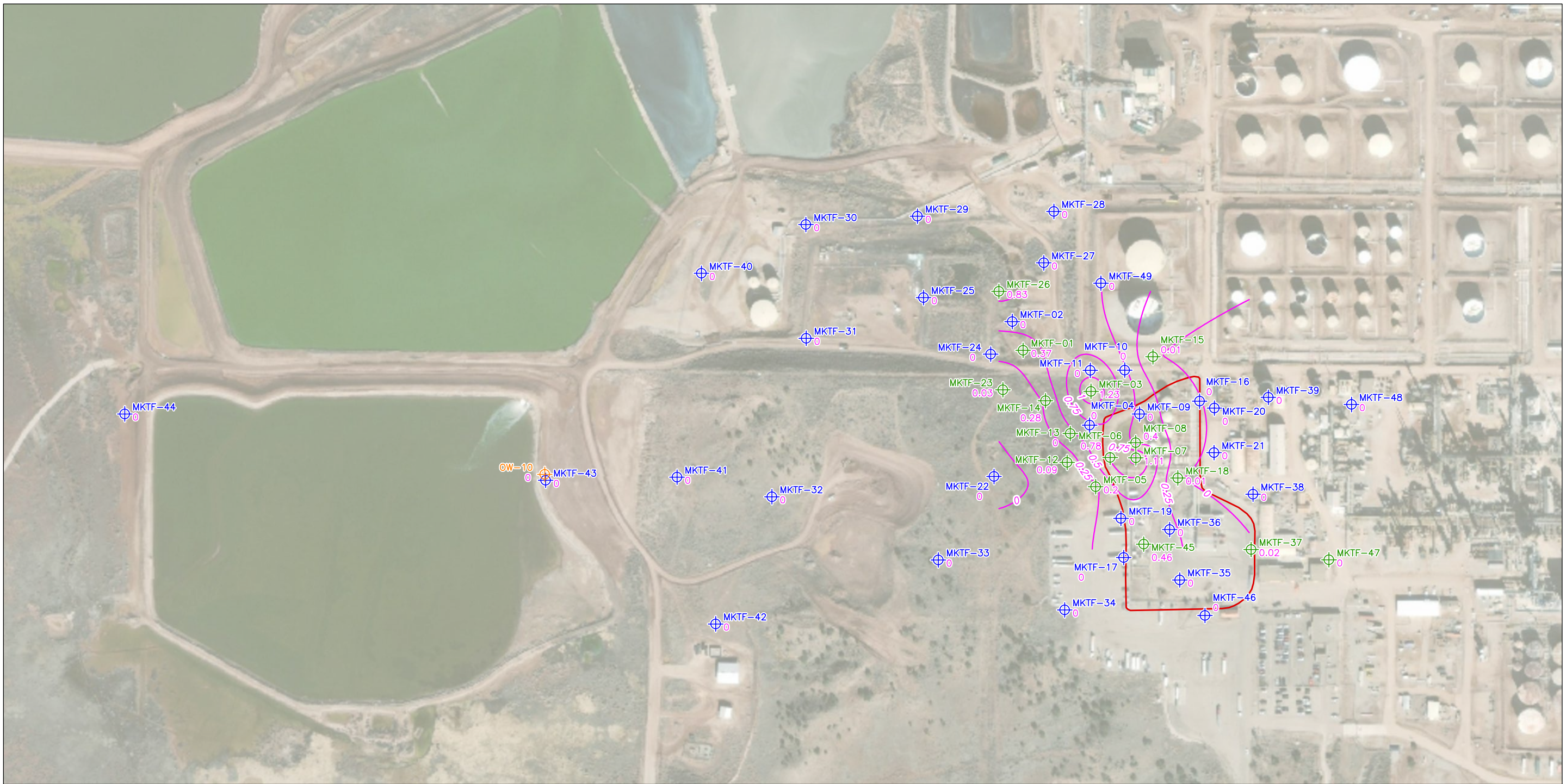
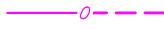
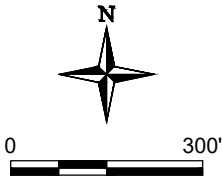


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EXPLANATION	
	MKTF-42 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING SPH VALUES)
	OW-10 SONSELA WELL AND DESIGNATION
	MKTF-45 SPH MONITORING WELL AND DESIGNATION
	0 LINE OF EQUAL SPH THICKNESS
	AOC 35 BOUNDARY
SPH	SEPARATE-PHASE HYDROCARBON



 1252 Commerce Drive Laramie, Wyoming 82070 www.trihydro.com (P) 307/745.7474 (F) 307/745.7729	FIGURE 6A			
	SPH THICKNESS MAP (THIRD QUARTER 2019)			
	WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: MS	Scale: 1" = 300'	Date: 11/25/20	File: 697-GALLUPAOC35-SPH-Q3_2019

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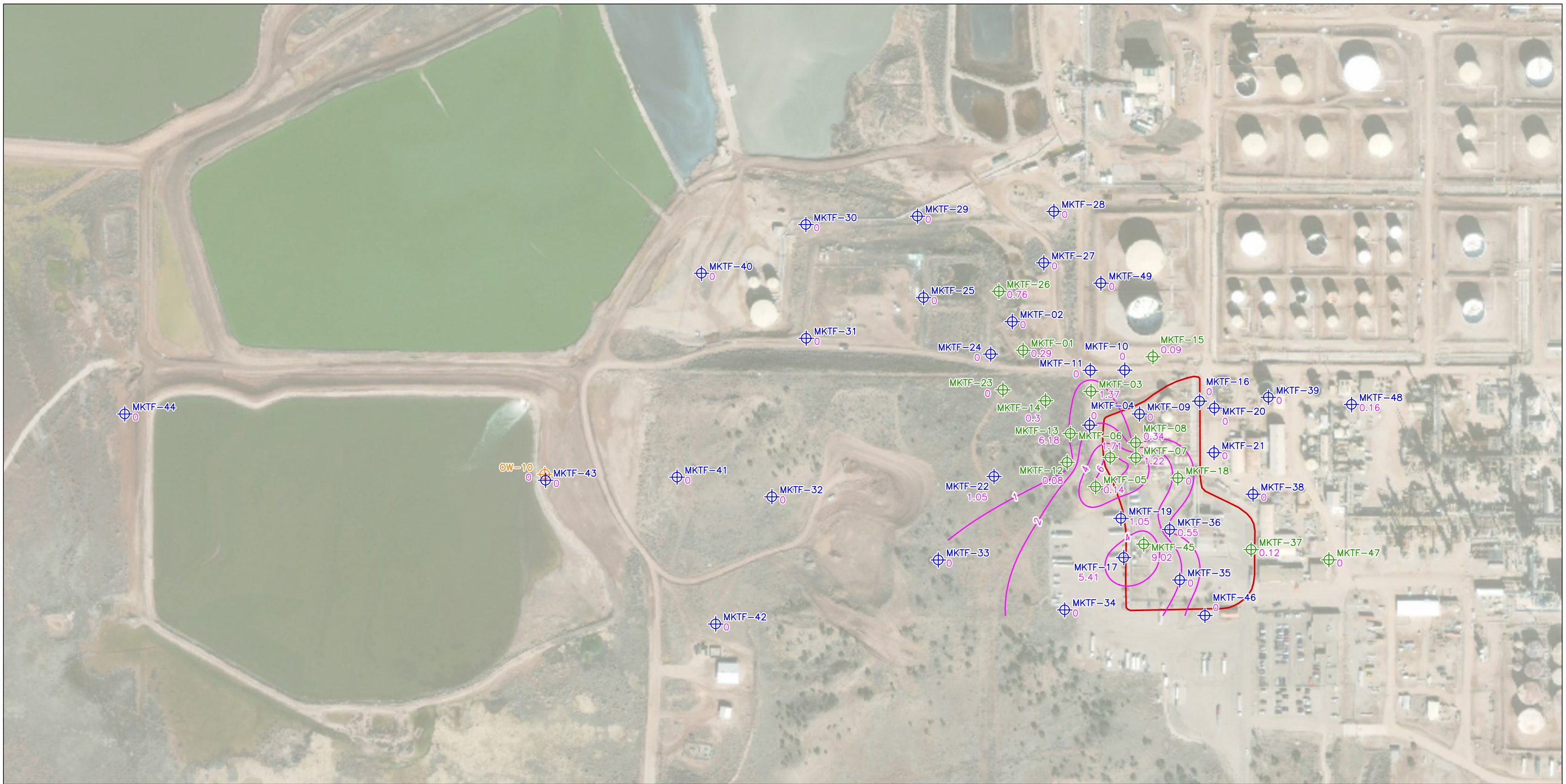
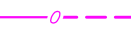
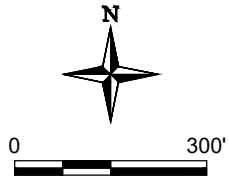
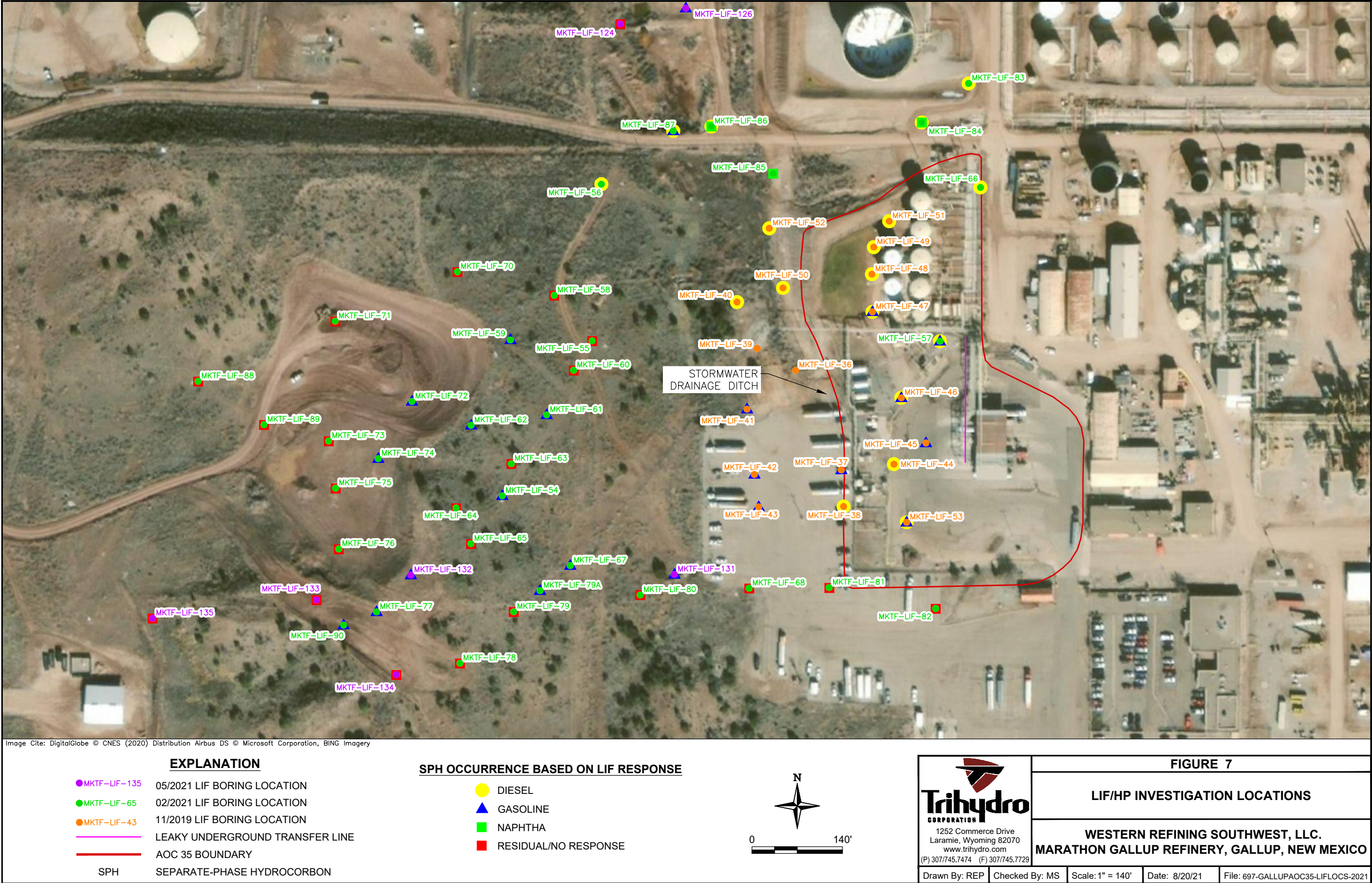


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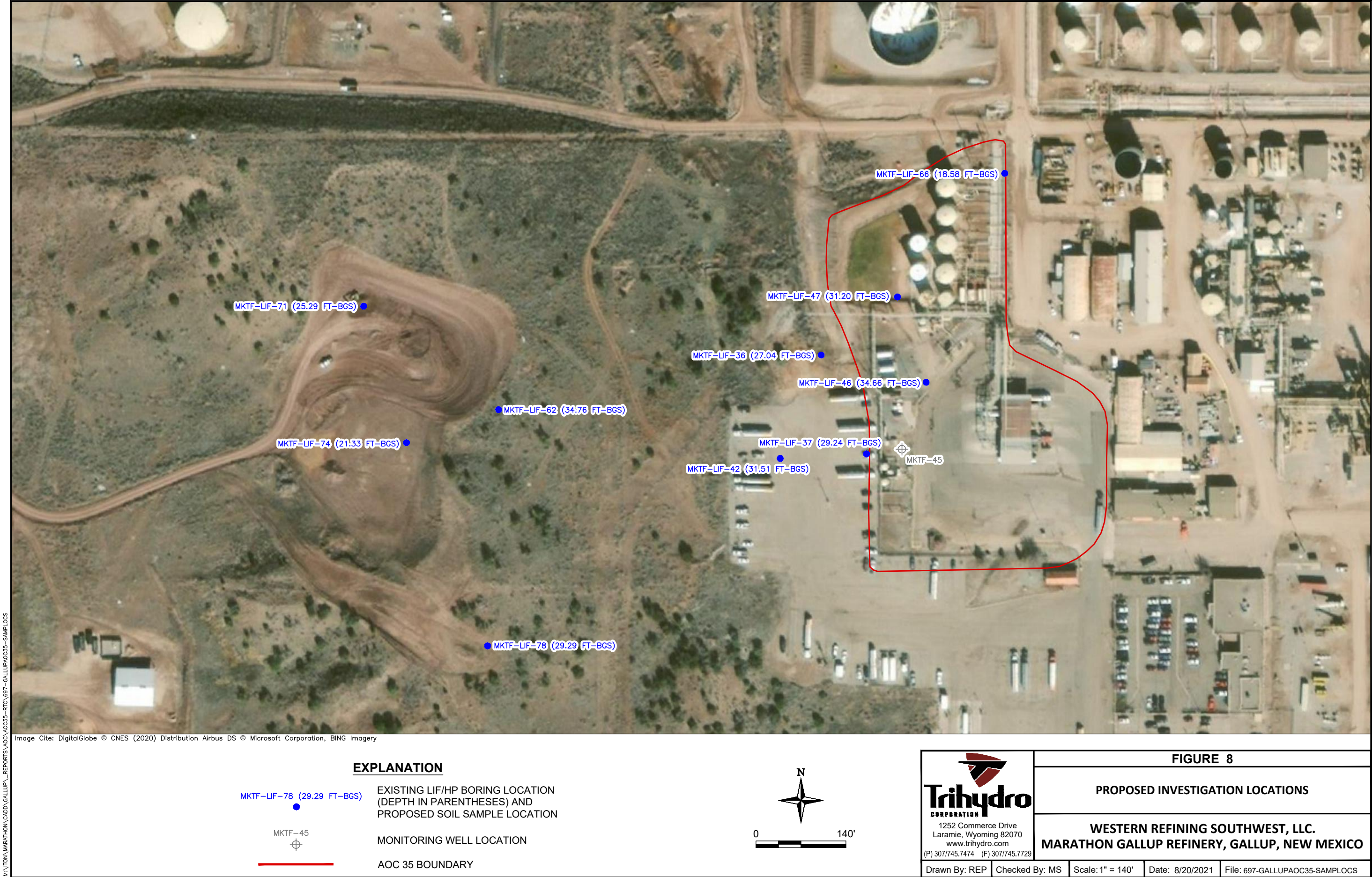
EXPLANATION	
	CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION (SHOWING SPH VALUES)
	SONSELA WELL AND DESIGNATION
	SPH MONITORING WELL AND DESIGNATION
	LINE OF EQUAL SPH THICKNESS
	AOC 35 BOUNDARY
	SEPARATE-PHASE HYDROCARBON
SPH	



 1252 Commerce Drive Laramie, Wyoming 82070 www.trihydro.com (P) 307/745.7474 (F) 307/745.7729	FIGURE 6B			
	SPH THICKNESS MAP (FIRST QUARTER 2020)			
	WESTERN REFINING SOUTHWEST, LLC. MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: MS	Scale: 1" = 300'	Date: 11/25/20	File: 697-GALLUPAOC35-SPH-Q1_2020



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MRLS Revised Investigation Work Plan No. 2

Appendix A - Fluid Levels

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
11/14/13	MKTF-01	03/11/15	4.00	17.42	ND	0.00	5.85	6,914.82	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	06/09/15	4.00	17.42	ND	0.00	7.15	6,913.52	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	08/21/15	4.00	17.42	ND	0.00	6.23	6,914.44	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/04/15	4.00	17.42	ND	0.00	5.87	6,914.80	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	02/24/16	4.00	17.42	ND	0.00	5.84	6,914.83	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	06/10/16	4.00	17.42	ND	0.00	7.02	6,913.65	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	09/07/16	4.00	17.42	7.12	1.50	8.62	6,912.05	6,913.25	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/04/16	4.00	17.42	ND	0.00	5.87	6,914.80	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-01	03/14/17	4.00	17.42	4.65	0.16	4.81	6,915.86	6,915.99	5 - 15	Chinle/Alluvium Interface
	MKTF-01	06/07/17	4.00	17.42	4.89	0.53	5.42	6,915.25	6,915.67	5 - 15	Chinle/Alluvium Interface
	MKTF-01	10/03/17	4.00	17.42	6.20	0.36	6.56	6,914.11	6,914.40	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/20/17	4.00	17.42	4.62	0.33	4.95	6,915.72	6,915.98	5 - 15	Chinle/Alluvium Interface
	MKTF-01	02/07/18	4.00	17.42	5.05	0.35	5.40	6,915.27	6,915.55	5 - 15	Chinle/Alluvium Interface
	MKTF-01	04/25/18	4.00	17.35	6.22	0.30	6.52	6,914.15	6,914.39	5 - 15	Chinle/Alluvium Interface
	MKTF-01	08/15/18	4.00	17.27	6.40	0.31	6.71	6,913.96	6,914.21	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/27/18	4.00	17.42	5.50	0.37	5.87	6,914.80	6,915.10	5 - 15	Chinle/Alluvium Interface
	MKTF-01	02/19/19	4.00	17.42	4.40	0.34	4.74	6,915.93	6916.20	5 - 15	Chinle/Alluvium Interface
	MKTF-01	05/06/19	4.00	17.42	4.39	0.35	4.74	6,915.93	6916.21	5 - 15	Chinle/Alluvium Interface
	MKTF-01	08/30/19	4.00	17.42	4.58	0.37	4.95	6,915.72	6916.02	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/19/19	4.00	17.42	5.14	0.31	5.45	6,915.22	6915.47	5 - 15	Chinle/Alluvium Interface
	MKTF-01	02/24/20	4.00	17.42	4.87	0.29	5.16	6,915.51	6915.74	5 - 15	Chinle/Alluvium Interface
	MKTF-01	06/26/20	4.00	17.42	5.50	0.21	5.71	6,914.96	6915.13	5 - 15	Chinle/Alluvium Interface
	MKTF-01	09/15/20	4.00	17.48	5.61	0.01	5.62	6,914.96	6914.97	5 - 15	Chinle/Alluvium Interface
	MKTF-01	11/10/20	4.00	17.48	5.61	0.28	5.89	6,914.96	6915.18	5 - 15	Chinle/Alluvium Interface
	MKTF-01	12/03/20	4.00	17.43	5.74	0.28	6.02	6,914.96	6915.18	5 - 15	Chinle/Alluvium Interface
	MKTF-01	01/28/21	4.00	17.43	7.60	0.48	8.08	6,914.96	6915.34	5 - 15	Chinle/Alluvium Interface
	MKTF-01	02/28/21	4.00	17.45	5.70	0.23	5.93	6,914.96	6915.14	5 - 15	Chinle/Alluvium Interface
	MKTF-01	03/31/21	4.00	17.45	6.09	0.24	6.33	6,914.96	6915.15	5 - 15	Chinle/Alluvium Interface
	MKTF-01	04/26/21	4.00	17.45	5.88	0.34	6.22	6,914.96	6915.23	5 - 15	Chinle/Alluvium Interface
	MKTF-01	05/20/21	4.00	17.45	6.41	0.36	6.77	6,914.96	6915.25	5 - 15	Chinle/Alluvium Interface
	MKTF-01	06/01/21	4.00	17.38	5.81	0.31	6.12	6,914.96	6915.21	5 - 15	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/14/13	MKTF-02	03/11/15	4.00	20.48	ND	0.00	6.88	6,910.57	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	06/09/15	4.00	20.48	ND	0.00	7.55	6,909.90	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	08/21/15	4.00	20.48	ND	0.00	7.30	6,910.15	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/04/15	4.00	20.48	ND	0.00	7.25	6,910.20	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	02/24/16	4.00	20.48	ND	0.00	7.22	6,910.23	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	06/10/16	4.00	20.48	ND	0.00	8.09	6,909.36	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	09/07/16	4.00	20.48	ND	0.00	8.28	6,909.17	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/04/16	4.00	20.48	ND	0.00	7.25	6,910.20	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	03/16/17	4.00	20.48	ND	0.00	7.34	6,910.11	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	06/07/17	4.00	20.48	7.10	0.01	7.11	6,910.34	6,910.35	7 - 17	Chinle/Alluvium Interface
	MKTF-02	10/03/17	4.00	20.48	ND	0.00	6.67	6,910.78	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/20/17	4.00	20.35	ND	0.00	7.00	6,910.45	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	02/06/18	4.00	20.34	ND	0.00	7.44	6,910.01	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	04/25/18	4.00	20.36	ND	0.00	7.95	6,909.50	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	08/15/18	4.00	20.43	ND	0.00	8.40	6,909.05	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/27/18	4.00	20.35	ND	0.00	8.40	6,909.05	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	03/28/19	4.00	20.48	ND	0.00	6.34	6,911.11	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	05/06/19	4.00	20.48	ND	0.00	6.24	6,911.21	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	08/23/19	4.00	20.43	ND	0.00	7.05	6,910.40	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/19/19	4.00	20.35	ND	0.00	7.14	6,910.31	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	02/24/20	4.00	20.48	ND	0.00	6.52	6,910.93	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	06/26/20	4.00	20.48	ND	0.00	7.70	6,909.75	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	09/15/20	4.00	20.54	ND	0.00	7.88	6,909.57	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	11/10/20	4.00	20.54	ND	0.00	7.43	6,910.02	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	12/03/20	4.00	20.54	ND	0.00	7.72	6,909.73	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	01/28/21	4.00	20.54	ND	0.00	7.75	6,909.70	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	02/28/21	4.00	20.54	ND	0.00	7.14	6,910.31	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	03/31/21	4.00	20.54	ND	0.00	7.84	6,909.61	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	04/26/21	4.00	20.54	ND	0.00	7.78	6,909.67	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	05/20/21	4.00	20.54	ND	0.00	8.11	6,909.34	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-02	06/01/21	4.00	20.54	ND	0.00	8.02	6,909.43	NA	7 - 17	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/07/13	MKTF-03	03/17/15	4.00	18.45	8.46	0.80	9.26	6,922.43	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-03	06/04/15	4.00	18.45	8.70	0.62	9.32	6,922.37	6,922.87	3 - 18	Chinle/Alluvium Interface
	MKTF-03	08/18/15	4.00	18.45	8.09	0.82	8.91	6,922.78	6,923.44	3 - 18	Chinle/Alluvium Interface
	MKTF-03	11/03/15	4.00	18.45	8.30	1.10	9.40	6,922.29	6,923.17	3 - 18	Chinle/Alluvium Interface
	MKTF-03	03/17/16	4.00	18.45	8.46	0.80	9.26	6,922.43	6,923.07	3 - 18	Chinle/Alluvium Interface
	MKTF-03	06/09/16	4.00	18.45	7.55	4.28	11.83	6,919.86	6,923.28	3 - 18	Chinle/Alluvium Interface
	MKTF-03	09/12/16	4.00	18.45	7.92	2.40	10.32	6,921.37	6,923.29	3 - 18	Chinle/Alluvium Interface
	MKTF-03	11/03/16	4.00	18.45	8.30	1.10	9.40	6,922.29	6,923.17	3 - 18	Chinle/Alluvium Interface
	MKTF-03	03/02/17	4.00	18.45	6.42	1.17	7.59	6,924.10	6,925.04	3 - 18	Chinle/Alluvium Interface
	MKTF-03	06/07/17	4.00	18.45	6.95	1.30	8.25	6,923.44	6,924.48	3 - 18	Chinle/Alluvium Interface
	MKTF-03	09/26/17	4.00	18.45	6.35	0.80	7.15	6,924.54	6,925.18	3 - 18	Chinle/Alluvium Interface
	MKTF-03	11/28/17	4.00	18.45	7.00	0.95	7.95	6,923.74	6,924.50	3 - 18	Chinle/Alluvium Interface
	MKTF-03	02/08/18	4.00	18.45	7.40	0.85	8.25	6,923.44	6,924.12	3 - 18	Chinle/Alluvium Interface
	MKTF-03	04/25/18	4.00	18.45	7.30	0.92	8.22	6,923.47	6,924.21	3 - 18	Chinle/Alluvium Interface
	MKTF-03	08/16/18	4.00	18.53	7.30	0.95	8.25	6,923.44	6,924.20	3 - 18	Chinle/Alluvium Interface
	MKTF-03	11/19/18	4.00	18.45	6.85	1.00	7.85	6,923.84	6,924.64	3 - 18	Chinle/Alluvium Interface
	MKTF-03	03/25/19	4.00	18.45	4.50	1.10	5.60	6,926.09	6,926.97	3 - 18	Chinle/Alluvium Interface
	MKTF-03	05/13/19	4.00	18.45	4.55	1.11	5.66	6,926.03	6,926.92	3 - 18	Chinle/Alluvium Interface
	MKTF-03	08/21/19	4.00	18.53	6.04	1.23	7.27	6,924.42	6,925.40	3 - 18	Chinle/Alluvium Interface
	MKTF-03	10/30/19	4.00	18.45	6.70	1.30	8.00	6,923.69	6,924.73	3 - 18	Chinle/Alluvium Interface
	MKTF-03	03/05/20	4.00	18.45	6.47	1.37	7.84	6,923.85	6,924.95	3 - 18	Chinle/Alluvium Interface
	MKTF-03	06/26/20	4.00	18.45	7.36	1.27	8.63	6,923.06	6,924.08	3 - 18	Chinle/Alluvium Interface
	MKTF-03	09/15/20	4.00	18.59	7.08	0.01	7.09	6,924.60	6,924.61	3 - 18	Chinle/Alluvium Interface
	MKTF-03	11/10/20	4.00	18.59	7.13	1.30	8.43	6,923.26	6,924.30	3 - 18	Chinle/Alluvium Interface
	MKTF-03	12/03/20	4.00	18.58	7.46	1.16	8.62	6,923.07	6,924.00	3 - 18	Chinle/Alluvium Interface
	MKTF-03	12/26/20	4.00	18.57	7.83	0.91	8.74	6,922.95	6,923.68	3 - 18	Chinle/Alluvium Interface
	MKTF-03	01/28/21	4.00	18.57	7.80	0.93	8.73	6,922.96	6,923.70	3 - 18	Chinle/Alluvium Interface
	MKTF-03	02/28/21	4.00	18.62	7.46	0.93	8.39	6,923.30	6,924.04	3 - 18	Chinle/Alluvium Interface
	MKTF-03	03/31/21	4.00	18.62	7.20	1.03	8.23	6,923.46	6,924.28	3 - 18	Chinle/Alluvium Interface
	MKTF-03	04/26/21	4.00	18.62	7.11	0.80	7.91	6,923.78	6,924.42	3 - 18	Chinle/Alluvium Interface
	MKTF-03	05/20/21	4.00	18.62	7.28	1.09	8.37	6,923.32	6,924.19	3 - 18	Chinle/Alluvium Interface
	MKTF-03	06/01/21	4.00	18.62	7.33	1.13	8.46	6,923.23	6,924.13	3 - 18	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/12/13	MKTF-04	03/16/15	4.00	22.15	ND	0.00	10.25	6,923.32	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	06/04/15	4.00	22.15	ND	0.00	11.00	6,922.57	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	08/18/15	4.00	22.15	ND	0.00	10.64	6,922.93	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	11/03/15	4.00	22.15	ND	0.00	4.23	6,929.34	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	02/29/16	4.00	22.15	ND	0.00	10.68	6,922.89	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	06/09/16	4.00	22.15	ND	0.00	10.30	6,923.27	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	09/11/16	4.00	22.15	ND	0.00	10.23	6,923.34	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	11/03/16	4.00	22.15	ND	0.00	10.40	6,923.17	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	03/02/17	4.00	22.15	ND	0.00	8.31	6,925.26	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	06/07/17	4.00	22.15	ND	0.00	9.28	6,924.29	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	09/26/17	4.00	22.15	ND	0.00	8.80	6,924.77	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	11/29/17	4.00	22.30	ND	0.00	9.30	6,924.27	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	02/14/18	4.00	22.37	ND	0.00	9.85	6,923.72	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	04/25/18	4.00	22.29	ND	0.00	9.70	6,923.87	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	08/16/18	4.00	22.39	ND	0.00	9.70	6,923.87	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	11/19/18	4.00	22.30	ND	0.00	8.39	6,925.18	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	03/25/19	4.00	22.15	ND	0.00	6.45	6,927.12	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	05/13/19	4.00	22.15	ND	0.00	6.55	6,927.02	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	08/21/19	4.00	22.39	ND	0.00	8.27	6,925.30	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	10/30/19	4.00	22.30	ND	0.00	8.93	6,924.64	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	03/02/20	4.00	22.21	ND	0.00	8.47	6,925.10	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	06/26/20	4.00	22.15	ND	0.00	9.75	6,923.82	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	09/15/20	4.00	22.72	9.39	0.01	9.40	6,924.17	6924.18	10 - 22	Chinle/Alluvium Interface
	MKTF-04	11/10/20	4.00	22.72	ND	0.00	9.20	6,924.37	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	12/03/20	4.00	22.72	9.70	0.01	9.71	6,923.86	6923.87	10 - 22	Chinle/Alluvium Interface
	MKTF-04	01/28/21	4.00	22.72	ND	0.00	10.14	6,923.43	NA	10 - 22	Chinle/Alluvium Interface
	MKTF-04	02/28/21	4.00	22.72	9.84	0.12	9.96	6,923.61	6923.71	10 - 22	Chinle/Alluvium Interface
	MKTF-04	03/31/21	4.00	22.72	9.21	0.02	9.23	6,924.34	6924.36	10 - 22	Chinle/Alluvium Interface
	MKTF-04	04/26/21	4.00	22.72	9.20	0.02	9.22	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface
	MKTF-04	05/20/21	4.00	22.72	9.28	0.10	9.38	6,924.19	6924.27	10 - 22	Chinle/Alluvium Interface
	MKTF-04	06/01/21	4.00	22.72	9.19	0.03	9.22	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/20/13	MKTF-05	03/16/15	4.00	17.75	15.72	0.36	16.08	6,926.14	6,926.43	4 - 14	Chinle/Alluvium Interface
	MKTF-05	06/04/15	4.00	17.75	15.77	0.63	16.40	6,925.82	6,926.32	4 - 14	Chinle/Alluvium Interface
	MKTF-05	08/18/15	4.00	17.75	15.44	0.19	15.63	6,926.59	6,926.74	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/03/15	4.00	17.75	15.47	0.84	16.31	6,925.91	6,926.58	4 - 14	Chinle/Alluvium Interface
	MKTF-05	03/16/16	4.00	17.75	15.72	0.36	16.08	6,926.14	6,926.43	4 - 14	Chinle/Alluvium Interface
	MKTF-05	06/09/16	4.00	17.75	15.34	0.53	15.87	6,926.35	6,926.77	4 - 14	Chinle/Alluvium Interface
	MKTF-05	09/11/16	4.00	17.75	14.74	3.04	17.78	6,924.44	6,926.87	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/03/16	4.00	17.75	15.47	0.84	16.31	6,925.91	6,926.58	4 - 14	Chinle/Alluvium Interface
	MKTF-05	03/02/17	4.00	17.75	13.33	0.29	13.62	6,928.60	6,928.83	4 - 14	Chinle/Alluvium Interface
	MKTF-05	06/07/17	4.00	17.75	13.79	0.46	14.25	6,927.97	6,928.34	4 - 14	Chinle/Alluvium Interface
	MKTF-05	09/26/17	4.00	17.75	13.01	0.49	13.50	6,928.72	6,929.11	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/28/17	4.00	17.75	13.98	0.77	14.75	6,927.47	6,928.09	4 - 14	Chinle/Alluvium Interface
	MKTF-05	02/08/18	4.00	17.75	14.78	0.42	15.20	6,927.02	6,927.36	4 - 14	Chinle/Alluvium Interface
	MKTF-05	04/25/18	4.00	17.70	14.96	0.23	15.19	6,927.03	6,927.21	4 - 14	Chinle/Alluvium Interface
	MKTF-05	08/16/18	4.00	17.75	14.61	0.19	14.80	6,927.42	6,927.57	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/19/18	4.00	17.75	14.62	0.21	14.83	6,927.39	6,927.56	4 - 14	Chinle/Alluvium Interface
	MKTF-05	02/19/19	4.00	17.75	13.87	0.10	13.97	6,928.25	6,928.33	4 - 14	Chinle/Alluvium Interface
	MKTF-05	05/13/19	4.00	17.75	12.95	0.17	13.12	6,929.10	6,929.24	4 - 14	Chinle/Alluvium Interface
	MKTF-05	08/30/19	4.00	17.75	13.40	0.20	13.60	6,928.62	6,928.78	4 - 14	Chinle/Alluvium Interface
	MKTF-05	10/30/19	4.00	17.75	13.90	0.30	14.20	6,928.02	6,928.26	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/12/19	4.00	17.75	11.64	5.09	16.73	6,925.49	6929.56	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/13/19	4.00	17.75	10.96	6.19	17.15	6,925.07	6930.02	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/14/19	4.00	17.75	10.78	6.39	17.17	6,925.05	6930.16	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/15/19	4.00	17.75	10.54	6.62	17.16	6,925.06	6930.36	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/19/19	4.00	17.75	10.04	7.14	17.18	6,925.04	6930.75	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/21/19	4.00	17.75	9.97	7.21	17.18	6,925.04	6930.81	4 - 14	Chinle/Alluvium Interface
	MKTF-05	12/02/19	4.00	17.75	10.64	6.53	17.17	6,925.05	6930.27	4 - 14	Chinle/Alluvium Interface
	MKTF-05	03/05/20	4.00	17.75	13.58	0.14	13.72	6,928.50	6928.61	4 - 14	Chinle/Alluvium Interface
	MKTF-05	06/25/20	4.00	17.75	14.06	0.75	14.80	6,927.42	6928.02	4 - 14	Chinle/Alluvium Interface
	MKTF-05	09/15/20	4.00	17.83	13.65	1.03	14.68	6,927.54	6928.36	4 - 14	Chinle/Alluvium Interface
	MKTF-05	11/10/20	4.00	17.83	14.02	0.88	14.90	6,927.32	6928.02	4 - 14	Chinle/Alluvium Interface
	MKTF-05	12/03/20	4.00	17.80	14.12	0.81	14.93	6,927.29	6927.94	4 - 14	Chinle/Alluvium Interface
	MKTF-05	01/28/21	4.00	17.80	14.94	0.19	15.13	6,927.09	6927.24	4 - 14	Chinle/Alluvium Interface
	MKTF-05	02/28/21	4.00	17.77	14.60	0.15	14.75	6,927.47	6927.59	4 - 14	Chinle/Alluvium Interface
	MKTF-05	03/31/21	4.00	17.77	14.99	0.06	15.05	6,927.17	6927.22	4 - 14	Chinle/Alluvium Interface
	MKTF-05	04/26/21	4.00	17.77	15.03	0.14	15.17	6,927.05	6927.16	4 - 14	Chinle/Alluvium Interface
	MKTF-05	05/20/21	4.00	17.77	15.02	0.07	15.09	6,927.13	6927.19	4 - 14	Chinle/Alluvium Interface
	MKTF-05	06/01/21	4.00	17.77	14.88	0.08	14.96	6,927.26	6927.32	4 - 14	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
11/11/13	MKTF-06	03/16/15	4.00	23.77	18.24	1.70	19.94	6,926.87	6,928.23	8 - 20	Chinle/Alluvium Interface
	MKTF-06	06/04/15	4.00	23.77	18.56	0.84	19.40	6,927.41	6,928.08	8 - 20	Chinle/Alluvium Interface
	MKTF-06	08/15/15	4.00	23.77	17.53	0.86	18.39	6,928.42	6,929.11	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/03/15	4.00	23.77	18.04	0.74	18.78	6,928.03	6,928.62	8 - 20	Chinle/Alluvium Interface
	MKTF-06	03/16/16	4.00	23.77	18.24	1.70	19.94	6,926.87	6,928.23	8 - 20	Chinle/Alluvium Interface
	MKTF-06	06/09/16	4.00	23.77	18.02	0.94	18.96	6,927.85	6,928.60	8 - 20	Chinle/Alluvium Interface
	MKTF-06	09/11/16	4.00	23.77	17.40	1.08	18.48	6,928.33	6,929.19	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/03/16	4.00	23.77	18.04	0.74	18.78	6,928.03	6,928.62	8 - 20	Chinle/Alluvium Interface
	MKTF-06	03/15/17	4.00	23.77	15.95	0.10	16.05	6,930.76	6,930.84	8 - 20	Chinle/Alluvium Interface
	MKTF-06	06/12/17	4.00	23.77	16.60	0.64	17.24	6,929.57	6,930.08	8 - 20	Chinle/Alluvium Interface
	MKTF-06	09/26/17	4.00	23.77	16.01	0.71	16.72	6,930.09	6,930.66	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/28/17	4.00	23.77	16.55	1.15	17.70	6,929.11	6,930.03	8 - 20	Chinle/Alluvium Interface
	MKTF-06	02/08/18	4.00	23.77	17.14	1.38	18.52	6,928.29	6,929.39	8 - 20	Chinle/Alluvium Interface
	MKTF-06	04/25/18	4.00	23.72	17.29	1.32	18.61	6,928.20	6,929.26	8 - 20	Chinle/Alluvium Interface
	MKTF-06	08/16/18	4.00	23.79	16.83	1.17	18.00	6,928.81	6,929.75	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/19/18	4.00	23.77	16.85	1.16	18.01	6,928.80	6,929.73	8 - 20	Chinle/Alluvium Interface
	MKTF-06	02/19/19	4.00	23.77	15.79	0.76	16.55	6,930.26	6,930.87	8 - 20	Chinle/Alluvium Interface
	MKTF-06	05/13/19	4.00	23.77	15.55	0.84	16.39	6,930.42	6,931.09	8 - 20	Chinle/Alluvium Interface
	MKTF-06	08/30/19	4.00	23.79	15.82	0.78	16.60	6,930.21	6,930.83	8 - 20	Chinle/Alluvium Interface
	MKTF-06	10/30/19	4.00	23.77	16.80	1.11	17.91	6,928.90	6,929.79	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/12/19	4.00	23.77	16.52	0.96	17.48	6,929.33	6930.10	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/13/19	4.00	23.77	16.33	0.85	17.18	6,929.63	6930.31	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/14/19	4.00	23.77	16.42	0.89	17.31	6,929.50	6930.21	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/15/19	4.00	23.77	16.35	0.85	17.20	6,929.61	6930.29	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/19/19	4.00	23.77	16.08	0.75	16.83	6,929.98	6930.58	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/21/19	4.00	23.77	15.93	1.31	17.24	6,929.57	6930.62	8 - 20	Chinle/Alluvium Interface
	MKTF-06	12/02/19	4.00	23.77	14.75	6.61	21.36	6,925.45	6930.74	8 - 20	Chinle/Alluvium Interface
	MKTF-06	03/05/20	4.00	23.77	16.89	1.71	18.60	6,928.21	6929.58	8 - 20	Chinle/Alluvium Interface
	MKTF-06	06/25/20	4.00	23.77	14.05	4.86	18.90	6,927.91	6931.79	8 - 20	Chinle/Alluvium Interface
	MKTF-06	09/15/20	4.00	23.79	16.78	1.93	18.71	6,928.10	6929.64	8 - 20	Chinle/Alluvium Interface
	MKTF-06	11/10/20	4.00	23.79	17.20	1.39	18.59	6,928.22	6929.33	8 - 20	Chinle/Alluvium Interface
	MKTF-06	12/03/20	4.00	23.79	17.38	1.11	18.49	6,928.32	6929.21	8 - 20	Chinle/Alluvium Interface
	MKTF-06	01/28/21	4.00	23.79	18.09	1.56	19.65	6,927.16	6928.41	8 - 20	Chinle/Alluvium Interface
	MKTF-06	02/28/21	4.00	23.85	17.93	0.72	18.65	6,928.16	6928.74	8 - 20	Chinle/Alluvium Interface
	MKTF-06	03/31/21	4.00	23.85	17.97	0.18	18.15	6,928.66	6928.80	8 - 20	Chinle/Alluvium Interface
	MKTF-06	04/26/21	4.00	23.85	17.88	0.07	17.95	6,928.86	6928.92	8 - 20	Chinle/Alluvium Interface
	MKTF-06	05/20/21	4.00	23.85	18.01	0.12	18.13	6,928.68	6928.78	8 - 20	Chinle/Alluvium Interface
	MKTF-06	06/01/21	4.00	23.85	18.09	0.16	18.25	6,928.56	6928.69	8 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/11/13	MKTF-07	03/16/15	4.00	17.62	13.10	1.13	14.23	6,932.95	6,933.85	4 - 14	Chinle/Alluvium Interface
	MKTF-07	06/04/15	4.00	17.62	12.95	1.65	14.60	6,932.58	6,933.90	4 - 14	Chinle/Alluvium Interface
	MKTF-07	08/18/15	4.00	17.62	12.71	1.13	13.84	6,933.34	6,934.24	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/03/15	4.00	17.62	12.90	1.98	14.88	6,932.30	6,933.88	4 - 14	Chinle/Alluvium Interface
	MKTF-07	03/16/16	4.00	17.62	13.10	1.13	14.23	6,932.95	6,933.85	4 - 14	Chinle/Alluvium Interface
	MKTF-07	06/09/16	4.00	17.62	12.01	2.59	14.60	6,932.58	6,934.65	4 - 14	Chinle/Alluvium Interface
	MKTF-07	09/11/16	4.00	17.62	12.20	2.41	14.61	6,932.57	6,934.50	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/03/16	4.00	17.62	12.90	1.98	14.88	6,932.30	6,933.88	4 - 14	Chinle/Alluvium Interface
	MKTF-07	03/15/17	4.00	17.62	10.63	1.97	12.60	6,934.58	6,936.16	4 - 14	Chinle/Alluvium Interface
	MKTF-07	06/12/17	4.00	17.62	10.20	1.30	11.50	6,935.68	6,936.72	4 - 14	Chinle/Alluvium Interface
	MKTF-07	09/26/17	4.00	17.62	9.80	1.30	11.10	6,936.08	6,937.12	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/28/17	4.00	17.62	10.40	1.40	11.80	6,935.38	6,936.50	4 - 14	Chinle/Alluvium Interface
	MKTF-07	02/08/18	4.00	17.62	11.33	1.22	12.55	6,934.63	6,935.61	4 - 14	Chinle/Alluvium Interface
	MKTF-07	04/25/18	4.00	17.58	10.84	1.18	12.02	6,935.16	6,936.10	4 - 14	Chinle/Alluvium Interface
	MKTF-07	08/16/18	4.00	17.47	11.42	1.08	12.50	6,934.68	6,935.54	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/27/18	4.00	17.62	12.35	1.17	13.52	6,933.66	6,934.60	4 - 14	Chinle/Alluvium Interface
	MKTF-07	02/19/19	4.00	17.62	10.39	1.21	11.60	6,935.58	6,936.55	4 - 14	Chinle/Alluvium Interface
	MKTF-07	05/13/19	4.00	17.62	10.72	0.10	10.82	6,936.36	6,936.44	4 - 14	Chinle/Alluvium Interface
	MKTF-07	08/30/19	4.00	17.47	11.18	1.11	12.29	6,934.89	6,935.78	4 - 14	Chinle/Alluvium Interface
	MKTF-07	10/30/19	4.00	17.62	12.20	1.19	13.39	6,933.79	6,934.74	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/12/19	4.00	17.62	12.03	1.16	13.19	6,933.99	6,934.92	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/13/19	4.00	17.62	11.81	1.08	12.89	6,934.29	6,935.15	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/14/19	4.00	17.62	11.98	1.16	13.14	6,934.04	6,934.97	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/15/19	4.00	17.62	12.00	1.16	13.16	6,934.02	6,934.95	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/19/19	4.00	17.62	11.40	2.77	14.17	6,933.01	6,935.23	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/21/19	4.00	17.62	10.83	5.72	16.55	6,930.63	6,935.21	4 - 14	Chinle/Alluvium Interface
	MKTF-07	12/02/19	4.00	17.62	11.38	5.74	17.12	6,930.06	6,934.65	4 - 14	Chinle/Alluvium Interface
	MKTF-07	03/05/20	4.00	17.62	12.50	1.22	13.72	6,933.46	6,934.44	4 - 14	Chinle/Alluvium Interface
	MKTF-07	06/25/20	4.00	17.62	12.23	1.53	13.76	6,933.42	6,934.64	4 - 14	Chinle/Alluvium Interface
	MKTF-07	09/18/20	4.00	17.43	11.42	2.35	13.77	6,933.41	6,935.29	4 - 14	Chinle/Alluvium Interface
	MKTF-07	11/10/20	4.00	17.43	12.56	1.20	13.76	6,933.42	6,934.38	4 - 14	Chinle/Alluvium Interface
	MKTF-07	12/03/20	4.00	17.66	12.93	0.87	13.80	6,933.38	6,934.08	4 - 14	Chinle/Alluvium Interface
	MKTF-07	01/28/21	4.00	17.66	13.80	0.40	14.20	6,932.98	6,933.30	4 - 14	Chinle/Alluvium Interface
	MKTF-07	02/28/21	4.00	17.86	13.51	0.21	13.72	6,933.46	6,933.63	4 - 14	Chinle/Alluvium Interface
	MKTF-07	03/31/21	4.00	17.86	13.70	0.11	13.81	6,933.37	6,933.46	4 - 14	Chinle/Alluvium Interface
	MKTF-07	04/26/21	4.00	17.86	13.51	0.25	13.76	6,933.42	6,933.62	4 - 14	Chinle/Alluvium Interface
	MKTF-07	05/20/21	4.00	17.86	13.68	0.13	13.81	6,933.37	6,933.47	4 - 14	Chinle/Alluvium Interface
	MKTF-07	06/01/21	4.00	17.86	13.52	0.11	13.63	6,933.55	6,933.64	4 - 14	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/11/13	MKTF-08	03/16/15	4.00	21.98	14.25	0.25	14.50	6,932.59	6,932.79	8 - 18	Chinle/Alluvium Interface
	MKTF-08	06/04/15	4.00	21.98	14.35	0.56	14.91	6,932.18	6,932.63	8 - 18	Chinle/Alluvium Interface
	MKTF-08	08/18/15	4.00	21.98	13.79	0.96	14.75	6,932.34	6,933.11	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/08/15	4.00	21.98	13.84	1.48	15.32	6,931.77	6,932.95	8 - 18	Chinle/Alluvium Interface
	MKTF-08	03/16/16	4.00	21.98	14.25	0.25	14.50	6,932.59	6,932.79	8 - 18	Chinle/Alluvium Interface
	MKTF-08	06/09/16	4.00	21.98	13.48	0.70	14.18	6,932.91	6,933.47	8 - 18	Chinle/Alluvium Interface
	MKTF-08	09/11/16	4.00	21.98	13.63	0.66	14.29	6,932.80	6,933.33	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/08/16	4.00	21.98	13.84	1.48	15.32	6,931.77	6,932.95	8 - 18	Chinle/Alluvium Interface
	MKTF-08	03/15/17	4.00	21.98	11.99	0.61	12.60	6,934.49	6,934.98	8 - 18	Chinle/Alluvium Interface
	MKTF-08	06/12/17	4.00	21.98	11.98	0.42	12.40	6,934.69	6,935.03	8 - 18	Chinle/Alluvium Interface
	MKTF-08	09/26/17	4.00	21.98	12.15	0.45	12.60	6,934.49	6,934.85	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/28/17	4.00	21.98	12.68	0.52	13.20	6,933.89	6,934.31	8 - 18	Chinle/Alluvium Interface
	MKTF-08	02/08/18	4.00	21.98	13.29	0.34	13.63	6,933.46	6,933.73	8 - 18	Chinle/Alluvium Interface
	MKTF-08	04/25/18	4.00	21.94	13.00	0.33	13.33	6,933.76	6,934.02	8 - 18	Chinle/Alluvium Interface
	MKTF-08	08/16/18	4.00	21.98	12.96	0.39	13.35	6,933.74	6,934.05	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/27/18	4.00	21.98	13.41	0.39	13.80	6,933.29	6,933.60	8 - 18	Chinle/Alluvium Interface
	MKTF-08	02/19/19	4.00	21.98	11.35	0.65	12.00	6,935.09	6,935.61	8 - 18	Chinle/Alluvium Interface
	MKTF-08	05/13/19	4.00	21.98	11.95	0.48	12.43	6,934.66	6,935.04	8 - 18	Chinle/Alluvium Interface
	MKTF-08	08/30/19	4.00	21.98	12.50	0.40	12.90	6,934.19	6,934.51	8 - 18	Chinle/Alluvium Interface
	MKTF-08	10/30/19	4.00	21.98	13.54	0.45	13.99	6,933.10	6,933.46	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/21/19	4.00	21.98	13.47	0.38	13.85	6,933.24	6,933.54	8 - 18	Chinle/Alluvium Interface
	MKTF-08	12/02/19	4.00	21.98	13.72	0.41	14.13	6,932.96	6,933.29	8 - 18	Chinle/Alluvium Interface
	MKTF-08	03/05/20	4.00	21.98	14.03	0.34	14.37	6,932.72	6,932.99	8 - 18	Chinle/Alluvium Interface
	MKTF-08	06/25/20	4.00	21.98	14.00	0.40	14.40	6,932.69	6,933.01	8 - 18	Chinle/Alluvium Interface
	MKTF-08	09/18/20	4.00	22.00	13.76	0.39	14.15	6,932.94	6,933.25	8 - 18	Chinle/Alluvium Interface
	MKTF-08	11/10/20	4.00	22.00	14.23	0.46	14.69	6,932.40	6,932.77	8 - 18	Chinle/Alluvium Interface
	MKTF-08	12/03/20	4.00	22.01	14.36	0.40	14.76	6,932.33	6,932.65	8 - 18	Chinle/Alluvium Interface
	MKTF-08	01/28/21	4.00	22.01	14.84	0.31	15.15	6,931.94	6,932.19	8 - 18	Chinle/Alluvium Interface
	MKTF-08	02/28/21	4.00	22.00	14.76	0.13	14.89	6,932.20	6,932.30	8 - 18	Chinle/Alluvium Interface
	MKTF-08	03/31/21	4.00	22.00	14.60	0.10	14.70	6,932.39	6,932.47	8 - 18	Chinle/Alluvium Interface
	MKTF-08	04/26/21	4.00	22.00	14.64	0.11	14.75	6,932.34	6,932.43	8 - 18	Chinle/Alluvium Interface
	MKTF-08	05/20/21	4.00	22.00	14.63	0.08	14.71	6,932.38	6,932.44	8 - 18	Chinle/Alluvium Interface
	MKTF-08	06/01/21	4.00	22.00	14.71	0.08	14.79	6,932.30	6,932.36	8 - 18	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/11/13	MKTF-09	03/16/15	4.00	22.70	ND	0.00	14.48	6,932.02	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	06/04/15	4.00	22.70	ND	0.00	14.68	6,931.82	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	08/18/15	4.00	22.70	ND	0.00	14.49	6,932.01	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/03/15	4.00	22.70	ND	0.00	14.29	6,932.21	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	02/29/16	4.00	22.70	ND	0.00	14.15	6,932.35	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	06/09/16	4.00	22.70	ND	0.00	13.92	6,932.58	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	09/11/16	4.00	22.70	ND	0.00	14.20	6,932.30	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/03/16	4.00	22.70	ND	0.00	14.29	6,932.21	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	03/15/17	4.00	22.70	ND	0.00	12.64	6,933.86	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	06/12/17	4.00	22.70	ND	0.00	12.64	6,933.86	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	09/28/17	4.00	22.70	ND	0.00	12.69	6,933.81	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/29/17	4.00	22.75	ND	0.00	13.15	6,933.35	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	02/14/18	4.00	22.74	ND	0.00	13.76	6,932.74	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	04/25/18	4.00	22.69	ND	0.00	13.42	6,933.08	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	08/16/18	4.00	22.74	ND	0.00	13.49	6,933.01	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/27/18	4.00	22.75	ND	0.00	13.81	6,932.69	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	03/25/19	4.00	22.70	ND	0.00	11.10	6,935.40	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	05/13/19	4.00	22.70	ND	0.00	12.27	6,934.23	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	08/28/19	4.00	22.74	ND	0.00	13.28	6,933.22	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/18/19	4.00	22.75	ND	0.00	13.97	6,932.53	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	03/02/20	4.00	22.76	ND	0.00	14.23	6,932.27	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	06/25/20	4.00	22.77	ND	0.00	14.55	6,931.95	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	09/18/20	4.00	22.41	14.19	0.01	14.20	6,932.30	6932.31	7 - 19	Chinle/Alluvium Interface
	MKTF-09	11/10/20	4.00	22.41	14.61	0.01	14.62	6,931.88	6931.89	7 - 19	Chinle/Alluvium Interface
	MKTF-09	12/03/20	4.00	22.78	14.75	0.01	14.76	6,931.74	6931.75	7 - 19	Chinle/Alluvium Interface
	MKTF-09	01/28/21	4.00	22.78	ND	0.00	15.11	6,931.39	NA	7 - 19	Chinle/Alluvium Interface
	MKTF-09	02/28/21	4.00	22.70	14.76	0.13	14.89	6,931.61	6931.71	7 - 19	Chinle/Alluvium Interface
	MKTF-09	03/31/21	4.00	22.70	14.85	0.02	14.87	6,931.63	6931.65	7 - 19	Chinle/Alluvium Interface
	MKTF-09	04/26/21	4.00	22.70	14.79	0.05	14.84	6,931.66	6931.70	7 - 19	Chinle/Alluvium Interface
	MKTF-09	05/20/21	4.00	22.70	14.98	0.18	15.16	6,931.34	6931.48	7 - 19	Chinle/Alluvium Interface
	MKTF-09	06/01/21	4.00	22.70	14.92	0.03	14.95	6,931.55	6931.57	7 - 19	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/31/13	MKTF-10	03/16/15	4.00	15.99	ND	0.00	8.96	6,928.20	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	06/04/15	4.00	15.99	ND	0.00	8.82	6,928.34	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	08/18/15	4.00	15.99	ND	0.00	8.72	6,928.44	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	11/03/15	4.00	15.99	ND	0.00	8.84	6,928.32	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	02/29/16	4.00	15.99	ND	0.00	8.60	6,928.56	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	06/09/16	4.00	15.99	ND	0.00	8.20	6,928.96	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	09/11/16	4.00	15.99	ND	0.00	8.45	6,928.71	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	11/03/16	4.00	15.99	ND	0.00	8.84	6,928.32	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	03/02/17	4.00	15.99	ND	0.00	7.47	6,929.69	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	06/07/17	4.00	15.99	ND	0.00	7.02	6,930.14	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	09/27/17	4.00	15.99	ND	0.00	6.78	6,930.38	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	11/29/17	4.00	15.99	ND	0.00	7.00	6,930.16	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	02/14/18	4.00	16.10	ND	0.00	7.30	6,929.86	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	04/25/18	4.00	16.05	ND	0.00	7.05	6,930.11	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	08/16/18	4.00	16.28	ND	0.00	7.08	6,930.08	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	11/19/18	4.00	15.99	ND	0.00	7.25	6,929.91	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	03/25/19	4.00	15.99	ND	0.00	5.70	6,931.46	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	05/13/19	4.00	15.99	ND	0.00	6.23	6,930.93	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	08/21/19	4.00	16.28	ND	0.00	7.65	6,929.51	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	10/30/19	4.00	15.99	ND	0.00	7.28	6,929.88	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	03/02/20	4.00	15.99	ND	0.00	7.67	6,929.49	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	06/25/20	4.00	15.99	ND	0.00	7.07	6,930.09	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	09/18/20	4.00	16.41	7.52	0.01	7.53	6,929.63	6929.64	7 - 17	Chinle/Alluvium Interface
	MKTF-10	11/10/20	4.00	16.41	ND	0.00	7.79	6,929.37	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	12/03/20	4.00	16.50	ND	0.00	7.80	6,929.36	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	01/28/21	4.00	16.50	ND	0.00	7.91	6,929.25	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	02/28/21	4.00	16.50	ND	0.00	7.89	6,929.27	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	03/31/21	4.00	16.50	ND	0.00	7.74	6,929.42	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	04/26/21	4.00	16.50	ND	0.00	8.03	6,929.13	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	05/20/21	4.00	16.50	ND	0.00	7.92	6,929.24	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-10	06/01/21	4.00	16.50	ND	0.00	7.69	6,929.47	NA	7 - 17	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/31/13	MKTF-11	03/16/15	4.00	18.14	ND	0.00	8.80	6,922.54	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	06/04/15	4.00	18.14	ND	0.00	9.00	6,922.34	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	08/18/15	4.00	18.14	ND	0.00	8.45	6,922.89	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	11/03/15	4.00	18.14	ND	0.00	8.63	6,922.71	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	02/29/16	4.00	18.14	ND	0.00	8.80	6,922.54	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	06/09/16	4.00	18.14	ND	0.00	8.66	6,922.68	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	09/11/16	4.00	18.14	ND	0.00	8.70	6,922.64	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	11/03/16	4.00	18.14	ND	0.00	8.63	6,922.71	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	03/02/17	4.00	18.14	ND	0.00	6.96	6,924.38	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	06/07/17	4.00	18.14	ND	0.00	7.39	6,923.95	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	09/26/17	4.00	18.14	ND	0.00	6.70	6,924.64	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	11/29/17	4.00	18.14	ND	0.00	8.00	6,923.34	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	02/08/18	4.00	18.31	ND	0.00	7.87	6,923.47	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	04/25/18	4.00	18.39	ND	0.00	7.85	6,923.49	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	08/16/18	4.00	18.48	ND	0.00	7.48	6,923.86	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	11/19/18	4.00	18.14	ND	0.00	7.20	6,924.14	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	03/25/19	4.00	18.14	ND	0.00	4.96	6,926.38	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	05/13/19	4.00	18.14	ND	0.00	5.24	6,926.10	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	08/21/19	4.00	18.48	ND	0.00	6.22	6,925.12	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	10/30/19	4.00	18.14	ND	0.00	7.06	6,924.28	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	03/02/20	4.00	18.14	ND	0.00	7.89	6,923.45	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	06/26/20	4.00	18.14	7.67	0.01	7.68	6,923.66	6923.67	8 - 18	Chinle/Alluvium Interface
	MKTF-11	09/18/20	4.00	18.45	7.59	0.01	7.60	6,923.74	6923.75	8 - 18	Chinle/Alluvium Interface
	MKTF-11	11/10/20	4.00	18.45	ND	0.00	7.61	6,923.73	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	12/03/20	4.00	18.45	7.89	0.02	7.91	6,923.43	6923.45	8 - 18	Chinle/Alluvium Interface
	MKTF-11	01/28/21	4.00	18.45	ND	0.00	7.88	6,923.46	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	02/28/21	4.00	18.53	ND	0.00	7.84	6,923.50	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	03/31/21	4.00	18.53	ND	0.00	7.63	6,923.71	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	04/26/21	4.00	18.53	ND	0.00	7.70	6,923.64	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	05/20/21	4.00	18.53	ND	0.00	7.67	6,923.67	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-11	06/01/21	4.00	18.53	ND	0.00	7.56	6,923.78	NA	8 - 18	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
11/07/13	MKTF-12	03/12/15	4.00	25.60	19.13	1.81	20.94	6,921.17	6,922.62	12 - 22	Chinle/Alluvium Interface
	MKTF-12	06/09/15	4.00	25.60	19.47	2.18	21.65	6,920.46	6,922.20	12 - 22	Chinle/Alluvium Interface
	MKTF-12	08/18/15	4.00	25.60	19.46	0.53	19.99	6,922.12	6,922.54	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/03/15	4.00	25.60	19.66	0.61	20.27	6,921.84	6,922.33	12 - 22	Chinle/Alluvium Interface
	MKTF-12	03/12/16	4.00	25.60	19.13	1.81	20.94	6,921.17	6,922.62	12 - 22	Chinle/Alluvium Interface
	MKTF-12	06/10/16	4.00	25.60	18.23	1.32	19.55	6,922.56	6,923.62	12 - 22	Chinle/Alluvium Interface
	MKTF-12	09/10/16	4.00	25.60	19.23	0.32	19.55	6,922.56	6,922.82	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/03/16	4.00	25.60	19.66	0.61	20.27	6,921.84	6,922.33	12 - 22	Chinle/Alluvium Interface
	MKTF-12	03/15/17	4.00	25.60	17.75	0.06	17.81	6,924.30	6,924.35	12 - 22	Chinle/Alluvium Interface
	MKTF-12	06/07/17	4.00	25.60	18.60	0.19	18.79	6,923.32	6,923.47	12 - 22	Chinle/Alluvium Interface
	MKTF-12	10/03/17	4.00	25.60	17.30	0.13	17.43	6,924.68	6,924.78	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/27/17	4.00	25.60	18.43	0.13	18.56	6,923.55	6,923.65	12 - 22	Chinle/Alluvium Interface
	MKTF-12	02/07/18	4.00	25.60	19.11	0.17	19.28	6,922.83	6,922.97	12 - 22	Chinle/Alluvium Interface
	MKTF-12	04/26/18	4.00	25.58	19.11	0.12	19.23	6,922.88	6,922.98	12 - 22	Chinle/Alluvium Interface
	MKTF-12	08/15/18	4.00	25.60	19.01	0.19	19.20	6,922.91	6,923.06	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/27/18	4.00	25.60	18.40	0.14	18.54	6,923.57	6,923.68	12 - 22	Chinle/Alluvium Interface
	MKTF-12	03/26/19	4.00	25.60	16.65	0.35	17.00	6,925.11	6,925.39	12 - 22	Chinle/Alluvium Interface
	MKTF-12	05/09/19	4.00	25.60	17.25	0.10	17.35	6,924.76	6,924.84	12 - 22	Chinle/Alluvium Interface
	MKTF-12	08/20/19	4.00	25.60	17.92	0.09	18.01	6,924.10	6,924.17	12 - 22	Chinle/Alluvium Interface
	MKTF-12	10/28/19	4.00	25.60	18.35	0.12	18.47	6,923.64	6,923.74	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/12/19	4.00	25.60	18.14	0.08	18.22	6,923.89	6,923.95	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/13/19	4.00	25.60	18.02	0.10	18.12	6,923.99	6,924.07	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/14/19	4.00	25.60	18.11	0.08	18.19	6,923.92	6,923.98	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/15/19	4.00	25.60	18.10	0.08	18.18	6,923.93	6,923.99	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/19/19	4.00	25.60	18.00	0.09	18.09	6,924.02	6,924.09	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/21/19	4.00	25.60	18.04	0.16	18.20	6,923.91	6,924.04	12 - 22	Chinle/Alluvium Interface
	MKTF-12	12/02/19	4.00	25.60	17.70	0.05	17.75	6,924.36	6,924.40	12 - 22	Chinle/Alluvium Interface
	MKTF-12	02/27/20	4.00	25.60	17.84	0.08	17.92	6,924.19	6,924.25	12 - 22	Chinle/Alluvium Interface
	MKTF-12	06/29/20	4.00	25.60	19.13	0.12	19.25	6,922.86	6,922.96	12 - 22	Chinle/Alluvium Interface
	MKTF-12	09/18/20	4.00	25.82	18.64	0.01	18.65	6,923.46	6,923.47	12 - 22	Chinle/Alluvium Interface
	MKTF-12	11/10/20	4.00	25.82	17.97	0.03	18.00	6,924.11	6,924.13	12 - 22	Chinle/Alluvium Interface
	MKTF-12	12/03/20	4.00	25.89	18.90	0.16	19.06	6,923.05	6,923.18	12 - 22	Chinle/Alluvium Interface
	MKTF-12	01/28/21	4.00	25.89	19.46	0.17	19.63	6,922.48	6,922.62	12 - 22	Chinle/Alluvium Interface
	MKTF-12	02/28/21	4.00	25.85	18.82	0.10	18.92	6,923.19	6,923.27	12 - 22	Chinle/Alluvium Interface
	MKTF-12	03/31/21	4.00	25.85	18.59	0.04	18.63	6,923.48	6,923.51	12 - 22	Chinle/Alluvium Interface
	MKTF-12	04/26/21	4.00	25.85	18.49	0.11	18.60	6,923.51	6,923.60	12 - 22	Chinle/Alluvium Interface
	MKTF-12	05/20/21	4.00	25.85	18.70	0.03	18.73	6,923.38	6,923.40	12 - 22	Chinle/Alluvium Interface
	MKTF-12	05/20/21	4.00	25.85	19.03	0.05	19.08	6,923.03	6,923.07	12 - 22	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/12/13	MKTF-13	03/12/15	4.00	21.25	13.75	2.07	15.82	6,919.36	6,921.02	8 - 18	Chinle/Alluvium Interface
	MKTF-13	06/09/15	4.00	21.25	14.22	1.65	15.87	6,919.31	6,920.63	8 - 18	Chinle/Alluvium Interface
	MKTF-13	08/21/15	4.00	21.25	13.94	1.68	15.62	6,919.56	6,920.90	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/03/15	4.00	21.25	14.22	1.33	15.55	6,919.63	6,920.69	8 - 18	Chinle/Alluvium Interface
	MKTF-13	03/12/16	4.00	21.25	13.75	2.07	15.82	6,919.36	6,921.02	8 - 18	Chinle/Alluvium Interface
	MKTF-13	06/10/16	4.00	21.25	12.99	1.20	14.19	6,920.99	6,921.95	8 - 18	Chinle/Alluvium Interface
	MKTF-13	09/10/16	4.00	21.25	13.88	0.98	14.86	6,920.32	6,921.10	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/03/16	4.00	21.25	14.22	1.33	15.55	6,919.63	6,920.69	8 - 18	Chinle/Alluvium Interface
	MKTF-13	03/15/17	4.00	21.25	ND	0.00	12.60	6,922.58	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	06/07/17	4.00	21.25	13.35	0.06	13.41	6,921.77	6,921.82	8 - 18	Chinle/Alluvium Interface
	MKTF-13	10/03/17	4.00	21.25	11.91	0.03	11.94	6,923.24	6,923.26	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/27/17	4.00	21.25	13.14	0.01	13.15	6,922.03	6,922.04	8 - 18	Chinle/Alluvium Interface
	MKTF-13	02/07/18	4.00	21.25	13.77	0.01	13.78	6,921.40	6,921.41	8 - 18	Chinle/Alluvium Interface
	MKTF-13	04/26/18	4.00	21.66	ND	0.00	13.75	6,921.43	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	08/15/18	4.00	21.55	ND	0.00	13.68	6,921.50	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/27/18	4.00	21.25	ND	0.00	12.72	6,922.46	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	03/26/19	4.00	21.25	ND	0.00	10.90	6,924.28	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	05/09/19	4.00	21.25	ND	0.00	11.60	6,923.58	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	08/20/19	4.00	21.55	ND	0.00	12.45	6,922.73	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	10/28/19	4.00	21.25	ND	0.00	12.95	6,922.23	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/12/19	4.00	21.25	ND	0.00	12.82	6,922.36	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/13/19	4.00	21.25	ND	0.00	12.75	6,922.43	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/14/19	4.00	21.25	ND	0.00	12.85	6,922.33	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/15/19	4.00	21.25	ND	0.00	12.80	6,922.38	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/19/19	4.00	21.25	ND	0.00	12.71	6,922.47	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/21/19	4.00	21.25	ND	0.00	12.75	6,922.43	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	12/02/19	4.00	21.25	ND	0.00	12.40	6,922.78	NA	8 - 18	Chinle/Alluvium Interface
	MKTF-13	02/27/20	4.00	21.25	11.13	6.18	17.31	6,917.87	6922.81	8 - 18	Chinle/Alluvium Interface
	MKTF-13	06/29/20	4.00	21.25	12.67	5.54	18.21	6,916.97	6921.40	8 - 18	Chinle/Alluvium Interface
	MKTF-13	09/18/20	4.00	22.13	12.55	4.37	16.92	6,918.26	6921.76	8 - 18	Chinle/Alluvium Interface
	MKTF-13	11/10/20	4.00	22.13	11.98	4.38	16.36	6,918.82	6922.32	8 - 18	Chinle/Alluvium Interface
	MKTF-13	12/03/20	4.00	21.92	12.84	3.81	16.65	6,918.53	6921.58	8 - 18	Chinle/Alluvium Interface
	MKTF-13	01/28/21	4.00	21.92	13.25	4.01	17.26	6,917.92	6921.13	8 - 18	Chinle/Alluvium Interface
	MKTF-13	02/28/21	4.00	21.75	12.60	4.30	16.90	6,918.28	6921.72	8 - 18	Chinle/Alluvium Interface
	MKTF-13	03/31/21	4.00	21.75	12.21	4.44	16.65	6,918.53	6922.08	8 - 18	Chinle/Alluvium Interface
	MKTF-13	04/26/21	4.00	21.75	12.25	4.08	16.33	6,918.85	6922.11	8 - 18	Chinle/Alluvium Interface
	MKTF-13	05/20/21	4.00	21.75	12.11	4.59	16.70	6,918.48	6922.15	8 - 18	Chinle/Alluvium Interface
	MKTF-13	06/01/21	4.00	21.75	11.93	3.74	15.67	6,919.51	6922.50	8 - 18	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/12/13	MKTF-14	03/12/15	4.00	17.46	7.60	0.55	8.15	6,919.87	6,920.31	4 - 14	Chinle/Alluvium Interface
	MKTF-14	06/09/15	4.00	17.46	8.00	0.37	8.37	6,919.65	6,919.95	4 - 14	Chinle/Alluvium Interface
	MKTF-14	08/21/15	4.00	17.46	7.61	0.42	8.03	6,919.99	6,920.33	4 - 14	Chinle/Alluvium Interface
	MKTF-14	11/03/15	4.00	17.46	7.71	0.39	8.10	6,919.92	6,920.23	4 - 14	Chinle/Alluvium Interface
	MKTF-14	03/12/16	4.00	17.46	7.60	0.55	8.15	6,919.87	6,920.31	4 - 14	Chinle/Alluvium Interface
	MKTF-14	06/10/16	4.00	17.46	7.13	2.33	9.46	6,918.56	6,920.42	4 - 14	Chinle/Alluvium Interface
	MKTF-14	09/10/16	4.00	17.46	7.31	1.69	9.00	6,919.02	6,920.37	4 - 14	Chinle/Alluvium Interface
	MKTF-14	11/03/16	4.00	17.46	7.71	0.39	8.10	6,919.92	6,920.23	4 - 14	Chinle/Alluvium Interface
	MKTF-14	03/08/17	4.00	17.46	5.77	0.98	6.75	6,921.27	6,922.05	4 - 14	Chinle/Alluvium Interface
	MKTF-14	06/07/17	4.00	17.46	6.68	0.84	7.52	6,920.50	6,921.17	4 - 14	Chinle/Alluvium Interface
	MKTF-14	10/03/17	4.00	17.46	5.70	0.41	6.11	6,921.91	6,922.24	4 - 14	Chinle/Alluvium Interface
	MKTF-14	11/27/17	4.00	17.46	6.56	0.37	6.93	6,921.09	6,921.39	4 - 14	Chinle/Alluvium Interface
	MKTF-14	02/07/18	4.00	17.46	6.98	0.41	7.39	6,920.63	6,920.96	4 - 14	Chinle/Alluvium Interface
	MKTF-14	04/26/18	4.00	17.43	7.01	0.38	7.39	6,920.63	6,920.93	4 - 14	Chinle/Alluvium Interface
	MKTF-14	08/15/18	4.00	17.45	6.95	0.35	7.30	6,920.72	6,921.00	4 - 14	Chinle/Alluvium Interface
	MKTF-14	11/27/18	4.00	17.46	6.26	0.39	6.65	6,921.37	6,921.68	4 - 14	Chinle/Alluvium Interface
	MKTF-14	03/25/19	4.00	17.46	3.89	0.36	4.25	6,923.77	6,924.06	4 - 14	Chinle/Alluvium Interface
	MKTF-14	05/09/19	4.00	17.46	4.65	0.39	5.04	6,922.98	6,923.29	4 - 14	Chinle/Alluvium Interface
	MKTF-14	08/20/19	4.00	17.45	5.64	0.28	5.92	6,922.10	6,922.32	4 - 14	Chinle/Alluvium Interface
	MKTF-14	10/28/19	4.00	17.46	6.02	0.37	6.39	6,921.63	6,921.93	4 - 14	Chinle/Alluvium Interface
	MKTF-14	02/27/20	4.00	17.46	5.35	0.30	5.65	6,922.37	6,922.61	4 - 14	Chinle/Alluvium Interface
	MKTF-14	06/29/20	4.00	17.46	6.38	2.20	8.58	6,919.44	6,921.20	4 - 14	Chinle/Alluvium Interface
	MKTF-14	09/18/20	4.00	17.32	6.18	1.98	8.16	6,919.86	6,921.44	4 - 14	Chinle/Alluvium Interface
	MKTF-14	11/10/20	4.00	17.32	5.98	0.30	6.28	6,921.74	6,921.98	4 - 14	Chinle/Alluvium Interface
	MKTF-14	12/03/20	4.00	17.55	6.79	0.27	7.06	6,920.96	6,921.18	4 - 14	Chinle/Alluvium Interface
	MKTF-14	01/28/21	4.00	17.55	7.11	0.30	7.41	6,920.61	6,920.85	4 - 14	Chinle/Alluvium Interface
	MKTF-14	02/28/21	4.00	17.55	6.64	0.34	6.98	6,921.04	6,921.31	4 - 14	Chinle/Alluvium Interface
	MKTF-14	03/31/21	4.00	17.55	6.14	0.12	6.26	6,921.76	6,921.86	4 - 14	Chinle/Alluvium Interface
	MKTF-14	04/26/21	4.00	17.55	6.11	0.07	6.18	6,921.84	6,921.90	4 - 14	Chinle/Alluvium Interface
	MKTF-14	05/20/21	4.00	17.55	6.20	0.11	6.31	6,921.71	6,921.80	4 - 14	Chinle/Alluvium Interface
	MKTF-14	06/01/21	4.00	17.55	5.81	0.16	5.97	6,922.05	6,922.18	4 - 14	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
10/29/13	MKTF-15	03/16/15	2.00	19.48	13.17	0.75	13.92	6,929.56	6,930.16	9 - 19	Chinle/Alluvium Interface
	MKTF-15	06/04/15	2.00	19.48	13.20	0.58	13.78	6,929.70	6,930.16	9 - 19	Chinle/Alluvium Interface
	MKTF-15	08/18/15	2.00	19.48	13.09	0.25	13.34	6,930.14	6,930.34	9 - 19	Chinle/Alluvium Interface
	MKTF-15	11/03/15	2.00	19.48	12.90	0.65	13.55	6,929.93	6,930.45	9 - 19	Chinle/Alluvium Interface
	MKTF-15	03/16/16	2.00	19.48	13.17	0.75	13.92	6,929.56	6,930.16	9 - 19	Chinle/Alluvium Interface
	MKTF-15	06/09/16	2.00	19.48	12.60	0.22	12.82	6,930.66	6,930.84	9 - 19	Chinle/Alluvium Interface
	MKTF-15	09/11/16	2.00	19.48	ND	0.00	13.00	6,930.48	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	11/03/16	2.00	19.48	12.90	0.65	13.55	6,929.93	6,930.45	9 - 19	Chinle/Alluvium Interface
	MKTF-15	03/02/17	2.00	19.48	ND	0.00	12.15	6,931.33	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	06/07/17	2.00	19.48	ND	0.00	11.93	6,931.55	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	09/26/17	2.00	19.48	12.00	0.10	12.10	6,931.38	6,931.46	9 - 19	Chinle/Alluvium Interface
	MKTF-15	11/29/17	2.00	19.48	ND	0.00	12.13	6,931.35	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	02/08/18	2.00	19.48	12.40	0.07	12.47	6,931.01	6,931.07	9 - 19	Chinle/Alluvium Interface
	MKTF-15	04/25/18	2.00	19.40	ND	0.00	12.20	6,931.28	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	08/16/18	2.00	19.50	ND	0.00	12.40	6,931.08	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	11/19/18	2.00	19.48	12.57	0.13	12.70	6,930.78	6,930.88	9 - 19	Chinle/Alluvium Interface
	MKTF-15	03/25/19	2.00	19.48	10.98	0.02	11.00	6,932.48	6,932.50	9 - 19	Chinle/Alluvium Interface
	MKTF-15	05/13/19	2.00	19.48	ND	0.00	11.59	6,931.89	NA	9 - 19	Chinle/Alluvium Interface
	MKTF-15	08/21/19	2.00	19.50	12.02	0.01	12.03	6,931.45	6,931.46	9 - 19	Chinle/Alluvium Interface
	MKTF-15	10/30/19	2.00	19.48	12.65	0.05	12.70	6,930.78	6,930.82	9 - 19	Chinle/Alluvium Interface
	MKTF-15	02/03/20	2.00	19.48	13.02	0.09	13.11	6,930.37	6,930.44	9 - 19	Chinle/Alluvium Interface
	MKTF-15	06/26/20	2.00	19.48	13.11	0.06	13.17	6,930.31	6,930.36	9 - 19	Chinle/Alluvium Interface
	MKTF-15	09/18/20	2.00	19.18	13.00	0.03	13.03	6,930.45	6,930.47	9 - 19	Chinle/Alluvium Interface
	MKTF-15	11/10/20	2.00	19.18	13.25	0.25	13.50	6,929.98	6,930.18	9 - 19	Chinle/Alluvium Interface
	MKTF-15	12/03/20	2.00	19.52	13.39	0.21	13.60	6,929.88	6,930.05	9 - 19	Chinle/Alluvium Interface
	MKTF-15	01/28/21	2.00	19.52	13.54	0.21	13.75	6,929.73	6,929.90	9 - 19	Chinle/Alluvium Interface
	MKTF-15	02/28/21	2.00	19.53	13.45	0.07	13.52	6,929.96	6,930.02	9 - 19	Chinle/Alluvium Interface
	MKTF-15	03/31/21	2.00	19.53	13.39	0.03	13.42	6,930.06	6,930.08	9 - 19	Chinle/Alluvium Interface
	MKTF-15	04/26/21	2.00	19.53	13.11	0.21	13.32	6,930.16	6,930.33	9 - 19	Chinle/Alluvium Interface
	MKTF-15	05/20/21	2.00	19.53	13.51	0.07	13.58	6,929.90	6,929.96	9 - 19	Chinle/Alluvium Interface
	MKTF-15	06/01/21	2.00	19.53	13.43	0.04	13.47	6,930.01	6,930.04	9 - 19	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/07/13	MKTF-16	03/16/15	2.00	14.10	ND	0.00	10.93	6,939.65	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/08/15	2.00	14.10	ND	0.00	8.86	6,941.72	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	08/23/15	2.00	14.10	ND	0.00	9.79	6,940.79	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	11/03/15	2.00	14.10	ND	0.00	9.49	6,941.09	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	02/29/16	2.00	14.10	ND	0.00	9.90	6,940.68	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/08/16	2.00	14.10	ND	0.00	9.58	6,941.00	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	09/11/16	2.00	14.10	ND	0.00	9.65	6,940.93	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	11/03/16	2.00	14.10	ND	0.00	9.49	6,941.09	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	03/14/17	2.00	14.10	ND	0.00	7.45	6,943.13	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/07/17	2.00	14.10	ND	0.00	7.66	6,942.92	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	09/26/17	2.00	14.10	ND	0.00	8.00	6,942.58	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	11/28/17	2.00	14.10	ND	0.00	8.22	6,942.36	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	02/14/18	2.00	14.10	ND	0.00	8.80	6,941.78	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	04/25/18	2.00	13.96	ND	0.00	8.35	6,942.23	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	08/16/18	2.00	14.08	ND	0.00	8.55	6,942.03	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	11/29/18	2.00	14.10	ND	0.00	9.54	6,941.04	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	02/20/19	2.00	14.10	ND	0.00	7.05	6,943.53	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	05/13/19	2.00	14.10	ND	0.00	8.35	6,942.23	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	08/21/19	2.00	14.08	ND	0.00	9.22	6,941.36	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	10/30/19	2.00	14.10	ND	0.00	9.89	6,940.69	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	02/05/20	2.00	14.10	ND	0.00	9.68	6,940.90	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/26/20	2.00	14.10	ND	0.00	9.54	6,941.04	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	09/18/20	2.00	10.92	9.18	0.01	9.19	6,941.39	6,941.40	4 - 14	Chinle/Alluvium Interface
	MKTF-16	11/10/20	2.00	10.92	ND	0.00	7.20	6,943.38	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	12/08/20	2.00	10.95	ND	0.00	9.70	6,940.88	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	01/28/21	2.00	10.95	ND	0.00	6.15	6,944.43	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	02/28/21	2.00	10.95	ND	0.00	8.84	6,941.74	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	03/31/21	2.00	10.95	ND	0.00	9.31	6,941.27	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	04/26/21	2.00	10.95	ND	0.00	9.51	6,941.07	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	05/20/21	2.00	10.95	ND	0.00	9.40	6,941.18	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/01/21	2.00	10.95	ND	0.00	9.28	6,941.30	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-16	06/23/21	2.00	10.95	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/14/13	MKTF-17	03/12/15	2.00	24.11	ND	0.00	12.81	6,932.95	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	06/08/15	2.00	24.11	ND	0.00	13.40	6,932.36	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	08/18/15	2.00	24.11	ND	0.00	11.98	6,933.78	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/03/15	2.00	24.11	ND	0.00	12.34	6,933.42	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	02/25/16	2.00	24.11	ND	0.00	11.82	6,933.94	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	06/10/16	2.00	24.11	ND	0.00	11.30	6,934.46	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	09/12/16	2.00	24.11	ND	0.00	12.40	6,933.36	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/03/16	2.00	24.11	ND	0.00	12.34	6,933.42	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	03/08/17	2.00	24.11	ND	0.00	8.20	6,937.56	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	06/14/17	2.00	24.11	ND	0.00	9.98	6,935.78	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	09/26/17	2.00	24.11	ND	0.00	9.33	6,936.43	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/30/17	2.00	24.65	ND	0.00	13.68	6,932.08	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	02/15/18	2.00	24.68	ND	0.00	11.65	6,934.11	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	04/26/18	2.00	24.55	ND	0.00	12.28	6,933.48	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	08/15/18	2.00	24.68	ND	0.00	12.50	6,933.26	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/27/18	2.00	24.65	ND	0.00	13.65	6,932.11	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	03/25/19	2.00	24.11	ND	0.00	10.70	6,935.06	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	05/09/19	2.00	24.11	ND	0.00	14.05	6,931.71	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	08/19/19	2.00	24.68	ND	0.00	10.79	6,934.97	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	10/28/19	2.00	24.65	ND	0.00	9.00	6,936.76	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	10/29/19	2.00	24.65	ND	0.00	15.20	6,930.56	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/12/19	2.00	24.65	ND	0.00	11.86	6,933.90	NA	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/19/19	2.00	24.65	12.35	1.60	13.95	6,931.81	6,933.09	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/21/19	2.00	24.65	12.42	2.88	15.30	6,930.46	6,932.76	14 - 24	Chinle/Alluvium Interface
	MKTF-17	12/02/19	2.00	24.65	13.17	4.88	18.05	6,927.71	6,931.61	14 - 24	Chinle/Alluvium Interface
	MKTF-17	02/03/20	2.00	24.11	11.44	5.41	16.85	6,928.91	6,933.24	14 - 24	Chinle/Alluvium Interface
	MKTF-17	06/29/20	2.00	24.11	10.19	5.31	15.50	6,930.26	6,934.51	14 - 24	Chinle/Alluvium Interface
	MKTF-17	09/14/20	2.00	24.67	10.00	5.37	15.37	6,930.39	6,934.69	14 - 24	Chinle/Alluvium Interface
	MKTF-17	11/10/20	2.00	24.67	11.39	0.20	11.59	6,934.17	6,934.33	14 - 24	Chinle/Alluvium Interface
	MKTF-17	12/04/20	2.00	24.66	11.28	0.19	11.47	6,934.29	6,934.44	14 - 24	Chinle/Alluvium Interface
	MKTF-17	01/28/21	2.00	24.65	11.88	0.02	11.90	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
	MKTF-17	02/28/21	2.00	24.70	11.88	0.02	11.90	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
	MKTF-17	03/31/21	2.00	24.70	12.06	0.03	12.09	6,933.67	6,933.69	14 - 24	Chinle/Alluvium Interface
	MKTF-17	04/26/21	2.00	24.70	14.97	0.02	14.99	6,930.77	6,930.79	14 - 24	Chinle/Alluvium Interface
	MKTF-17	05/20/21	2.00	24.70	15.03	0.03	15.06	6,930.70	6,930.72	14 - 24	Chinle/Alluvium Interface
	MKTF-17	06/01/21	2.00	24.70	15.10	0.05	15.15	6,930.61	6,930.65	14 - 24	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/15/13	MKTF-18	03/17/15	2.00	25.38	ND	0.00	8.92	6,941.73	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	06/08/15	2.00	25.38	ND	0.00	8.86	6,941.79	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	08/18/15	2.00	25.38	ND	0.00	8.83	6,941.82	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/03/15	2.00	25.38	ND	0.00	8.52	6,942.13	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	02/26/16	2.00	25.38	ND	0.00	8.34	6,942.31	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	06/10/16	2.00	25.38	ND	0.00	11.85	6,938.80	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	09/12/16	2.00	25.38	ND	0.00	7.75	6,942.90	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/03/16	2.00	25.38	ND	0.00	8.52	6,942.13	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	03/01/17	2.00	25.38	ND	0.00	7.81	6,942.84	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	06/14/17	2.00	25.38	ND	0.00	6.30	6,944.35	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	09/27/17	2.00	25.38	6.35	0.02	6.37	6,944.28	6,944.30	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/30/17	2.00	25.38	6.29	0.01	6.30	6,944.35	6,944.36	17 - 27	Chinle/Alluvium Interface
	MKTF-18	02/15/18	2.00	26.80	ND	0.00	6.47	6,944.18	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	04/26/18	2.00	26.70	ND	0.00	8.22	6,942.43	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	08/16/18	2.00	27.45	ND	0.00	7.12	6,943.53	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/27/18	2.00	25.38	ND	0.00	7.94	6,942.71	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	03/25/19	2.00	25.38	ND	0.00	7.32	6,943.33	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	05/16/19	2.00	25.38	ND	0.00	7.54	6,943.11	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	08/19/19	2.00	27.45	7.71	0.01	7.72	6,942.93	6,942.94	17 - 27	Chinle/Alluvium Interface
	MKTF-18	10/28/19	2.00	25.38	ND	0.00	7.79	6,942.86	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	10/29/19	2.00	25.38	ND	0.00	8.30	6,942.35	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/12/19	2.00	25.38	ND	0.00	8.19	6,942.46	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	02/05/20	2.00	25.38	ND	0.00	9.10	6,941.55	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	06/30/20	2.00	25.38	ND	0.00	8.98	6,941.67	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	09/18/20	2.00	21.73	8.49	0.01	8.50	6,942.15	6,942.16	17 - 27	Chinle/Alluvium Interface
	MKTF-18	11/10/20	2.00	21.73	ND	0.00	8.74	6,941.91	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	12/04/20	2.00	25.50	ND	0.00	8.80	6,941.85	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	01/28/21	2.00	25.50	ND	0.00	9.28	6,941.37	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	02/28/21	2.00	27.55	ND	0.00	9.08	6,941.57	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	03/31/21	2.00	27.55	ND	0.00	9.30	6,941.35	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	04/26/21	2.00	27.55	ND	0.00	9.23	6,941.42	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	05/20/21	2.00	27.55	ND	0.00	9.25	6,941.40	NA	17 - 27	Chinle/Alluvium Interface
	MKTF-18	06/01/21	2.00	27.55	ND	0.00	9.21	6,941.44	NA	17 - 27	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/05/13	MKTF-19	03/12/15	2.00	17.47	ND	0.00	11.91	6,932.76	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	06/08/15	2.00	17.47	ND	0.00	12.47	6,932.20	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	08/18/15	2.00	17.47	ND	0.00	13.76	6,930.91	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/03/15	2.00	17.47	ND	0.00	12.95	6,931.72	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	02/25/16	2.00	17.47	ND	0.00	12.62	6,932.05	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	06/10/16	2.00	17.47	ND	0.00	11.90	6,932.77	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	09/12/16	2.00	17.47	ND	0.00	11.25	6,933.42	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/03/16	2.00	17.47	ND	0.00	12.84	6,931.83	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	03/08/17	2.00	17.47	ND	0.00	9.82	6,934.85	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	06/14/17	2.00	17.47	ND	0.00	10.58	6,934.09	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	09/26/17	2.00	17.47	ND	0.00	11.00	6,933.67	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/30/17	2.00	18.20	ND	0.00	11.70	6,932.97	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	02/15/18	2.00	18.45	ND	0.00	12.00	6,932.67	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	04/26/18	2.00	18.19	ND	0.00	12.05	6,932.62	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	08/15/18	2.00	19.30	ND	0.00	12.20	6,932.47	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/27/18	2.00	18.20	ND	0.00	12.37	6,932.30	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	03/25/19	2.00	17.47	ND	0.00	11.40	6,933.27	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	05/09/19	2.00	17.47	ND	0.00	11.31	6,933.36	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	08/19/19	2.00	19.30	ND	0.00	11.06	6,933.61	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	10/28/19	2.00	18.20	ND	0.00	10.91	6,933.76	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	10/29/19	2.00	18.20	ND	0.00	15.76	6,928.91	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/12/19	2.00	18.20	ND	0.00	10.85	6,933.82	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/19/19	2.00	18.20	ND	0.00	10.90	6,933.77	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/21/19	2.00	18.20	ND	0.00	11.05	6,933.62	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-19	12/02/19	2.00	18.20	11.63	0.87	12.50	6,932.17	6,932.87	10 - 20	Chinle/Alluvium Interface
	MKTF-19	02/03/20	2.00	17.47	11.35	1.05	12.40	6,932.27	6,933.11	10 - 20	Chinle/Alluvium Interface
	MKTF-19	06/29/20	2.00	17.47	12.08	1.21	13.29	6,931.38	6,932.35	10 - 20	Chinle/Alluvium Interface
	MKTF-19	09/14/20	2.00	19.24	11.95	0.02	11.97	6,932.70	6,932.72	10 - 20	Chinle/Alluvium Interface
	MKTF-19	11/10/20	2.00	19.24	12.22	1.33	13.55	6,931.12	6,932.18	10 - 20	Chinle/Alluvium Interface
	MKTF-19	12/04/20	2.00	19.38	12.18	1.24	13.42	6,931.25	6,932.24	10 - 20	Chinle/Alluvium Interface
	MKTF-19	01/28/21	2.00	19.38	12.22	1.24	13.46	6,931.21	6,932.20	10 - 20	Chinle/Alluvium Interface
	MKTF-19	02/28/21	2.00	19.44	12.45	1.14	13.59	6,931.08	6,931.99	10 - 20	Chinle/Alluvium Interface
	MKTF-19	03/31/21	2.00	19.44	12.60	1.23	13.83	6,930.84	6,931.82	10 - 20	Chinle/Alluvium Interface
	MKTF-19	04/26/21	2.00	19.44	12.54	1.53	14.07	6,930.60	6,931.82	10 - 20	Chinle/Alluvium Interface
	MKTF-19	05/20/21	2.00	19.44	12.28	1.42	13.70	6,930.97	6,932.11	10 - 20	Chinle/Alluvium Interface
	MKTF-19	06/01/21	2.00	19.44	12.55	1.22	13.77	6,930.90	6,931.88	10 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
02/10/14	MKTF-20	03/16/15	4.00	9.89	ND	0.00	7.26	6,944.52	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	06/08/15	4.00	9.89	ND	0.00	7.89	6,943.89	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	08/23/15	4.00	9.89	ND	0.00	7.79	6,943.99	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/09/15	4.00	9.89	ND	0.00	7.78	6,944.00	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	02/29/16	4.00	9.89	ND	0.00	7.81	6,943.97	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	06/08/16	4.00	9.89	ND	0.00	7.23	6,944.55	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	09/11/16	4.00	9.89	ND	0.00	7.65	6,944.13	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/09/16	4.00	9.89	ND	0.00	7.78	6,944.00	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	03/14/17	4.00	9.89	ND	0.00	5.70	6,946.08	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	06/12/17	4.00	9.89	ND	0.00	5.57	6,946.21	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	09/26/17	4.00	9.89	ND	0.00	6.23	6,945.55	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/28/17	4.00	9.58	ND	0.00	6.53	6,945.25	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	02/14/18	4.00	9.55	ND	0.00	7.45	6,944.33	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	04/25/18	4.00	9.50	ND	0.00	6.90	6,944.88	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	08/16/18	4.00	9.56	ND	0.00	7.20	6,944.58	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/29/18	4.00	9.58	ND	0.00	7.52	6,944.26	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	02/20/19	4.00	8.83	ND	0.00	6.29	6,945.49	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	05/13/19	4.00	8.83	ND	0.00	7.14	6,944.64	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	08/20/19	4.00	8.83	ND	0.00	8.03	6,943.75	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/04/19	4.00	8.83	ND	0.00	7.68	6,944.10	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	02/05/20	4.00	8.83	ND	0.00	9.02	6,942.76	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	06/26/20	4.00	8.83	ND	0.00	8.67	6,943.11	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	09/15/20	4.00	9.62	8.54	0.81	9.35	6,942.43	6,943.08	2 - 10	Chinle/Alluvium Interface
	MKTF-20	11/10/20	4.00	9.62	8.10	0.80	8.90	6,942.88	6,943.52	2 - 10	Chinle/Alluvium Interface
	MKTF-20	12/08/20	4.00	9.60	8.76	0.19	8.95	6,942.83	6,942.98	2 - 10	Chinle/Alluvium Interface
	MKTF-20	01/28/21	4.00	9.60	8.99	0.61	9.60	6,942.18	6,942.67	2 - 10	Chinle/Alluvium Interface
	MKTF-20	02/28/21	4.00	9.61	ND	0.00	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-20	03/31/21	4.00	9.61	8.95	0.28	9.23	6,951.78	6,952.00	2 - 10	Chinle/Alluvium Interface
	MKTF-20	04/26/21	4.00	9.61	9.14	0.29	9.43	6,951.78	6,952.01	2 - 10	Chinle/Alluvium Interface
	MKTF-20	05/20/21	4.00	9.61	8.90	0.27	9.17	6,951.78	6,952.00	2 - 10	Chinle/Alluvium Interface
	MKTF-20	06/01/21	4.00	9.61	9.01	0.29	9.30	6,951.78	6,952.01	2 - 10	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
02/10/14	MKTF-21	03/16/15	4.00	9.89	ND	0.00	7.62	6,944.95	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	06/10/15	4.00	9.89	ND	0.00	7.96	6,944.61	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	08/23/15	4.00	9.89	ND	0.00	7.62	6,944.95	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	11/09/15	4.00	9.89	ND	0.00	7.46	6,945.11	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	02/29/16	4.00	9.89	ND	0.00	7.24	6,945.33	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	06/08/16	4.00	9.89	ND	0.00	6.98	6,945.59	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	09/11/16	4.00	9.89	ND	0.00	7.62	6,944.95	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	11/09/16	4.00	9.89	ND	0.00	7.46	6,945.11	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	03/14/17	4.00	9.89	ND	0.00	5.50	6,947.07	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	06/21/17	4.00	9.89	ND	0.00	5.09	6,947.48	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	09/26/17	4.00	9.89	ND	0.00	5.69	6,946.88	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	11/28/17	4.00	8.81	ND	0.00	6.25	6,946.32	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	02/14/18	4.00	8.80	ND	0.00	6.88	6,945.69	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	04/25/18	4.00	8.75	ND	0.00	6.32	6,946.25	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	08/16/18	4.00	8.80	ND	0.00	6.05	6,946.52	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	11/29/18	4.00	8.81	ND	0.00	7.52	6,945.05	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	02/20/19	4.00	8.81	ND	0.00	5.62	6,946.95	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	05/13/19	4.00	8.81	ND	0.00	6.70	6,945.87	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	08/20/19	4.00	8.81	ND	0.00	7.22	6,945.35	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	10/30/19	4.00	8.81	ND	0.00	8.32	6,944.25	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	02/05/20	4.00	8.83	ND	0.00	8.25	6,944.32	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	06/26/20	4.00	8.83	8.17	0.03	8.20	6,944.37	6944.39	2 - 10	Chinle/Alluvium Interface
	MKTF-21	09/15/20	4.00	8.84	7.08	0.01	7.09	6,945.48	6945.49	2 - 10	Chinle/Alluvium Interface
	MKTF-21	11/10/20	4.00	8.84	ND	0.00	6.41	6,946.16	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	12/04/20	4.00	8.80	8.04	0.01	8.05	6,944.52	6944.53	2 - 10	Chinle/Alluvium Interface
	MKTF-21	01/28/21	4.00	8.80	ND	0.00	7.34	6,945.23	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	02/28/21	4.00	8.87	ND	0.00	7.81	6,944.76	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	03/31/21	4.00	8.87	ND	0.00	7.73	6,944.84	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	04/26/21	4.00	8.87	ND	0.00	7.28	6,945.29	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	05/20/21	4.00	8.87	ND	0.00	7.40	6,945.17	NA	2 - 10	Chinle/Alluvium Interface
	MKTF-21	06/01/21	4.00	8.87	ND	0.00	6.98	6,945.59	NA	2 - 10	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/08/13	MKTF-22	03/12/15	2.00	35.25	ND	0.00	26.07	6,916.24	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	06/09/15	2.00	35.25	ND	0.00	26.18	6,916.13	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	08/20/15	2.00	36.25	ND	0.00	26.20	6,916.11	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	11/09/15	2.00	35.25	ND	0.00	26.05	6,916.26	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	02/25/16	2.00	35.25	ND	0.00	26.13	6,916.18	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	06/10/16	2.00	35.25	ND	0.00	26.06	6,916.25	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	09/10/16	2.00	36.25	ND	0.00	26.13	6,916.18	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	11/09/16	2.00	35.25	ND	0.00	26.05	6,916.26	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	03/08/17	2.00	35.25	ND	0.00	25.10	6,917.21	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	06/07/17	2.00	35.25	ND	0.00	25.31	6,917.00	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	10/03/17	2.00	35.25	ND	0.00	25.19	6,917.12	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	11/27/17	2.00	35.60	ND	0.00	25.18	6,917.13	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	02/07/18	2.00	35.60	ND	0.00	25.50	6,916.81	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	04/26/18	2.00	35.51	ND	0.00	25.40	6,916.91	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	08/15/18	2.00	35.62	ND	0.00	25.80	6,916.51	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	11/27/18	2.00	35.60	ND	0.00	25.57	6,916.74	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	03/25/19	2.00	35.25	ND	0.00	24.43	6,917.88	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	05/09/19	2.00	35.25	ND	0.00	24.64	6,917.67	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	08/20/19	2.00	35.62	ND	0.00	24.95	6,917.36	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	10/24/19	2.00	35.60	ND	0.00	25.40	6,916.91	NA	22 - 32	Chinle/Alluvium Interface
	MKTF-22	02/27/20	2.00	35.25	24.48	1.05	25.53	6,916.78	6917.62	22 - 32	Chinle/Alluvium Interface
	MKTF-22	06/29/20	2.00	35.25	24.57	3.14	27.71	6,914.60	6917.11	22 - 32	Chinle/Alluvium Interface
	MKTF-22	09/14/20	2.00	35.09	24.98	2.70	27.68	6,914.63	6916.79	22 - 32	Chinle/Alluvium Interface
	MKTF-22	11/10/20	2.00	35.09	24.94	2.35	27.29	6,915.02	6916.90	22 - 32	Chinle/Alluvium Interface
	MKTF-22	12/04/20	2.00	35.09	25.10	2.45	27.55	6,914.76	6916.72	22 - 32	Chinle/Alluvium Interface
	MKTF-22	01/28/21	2.00	35.09	25.28	2.69	27.97	6,914.34	6916.49	22 - 32	Chinle/Alluvium Interface
	MKTF-22	02/28/21	2.00	35.66	25.17	2.68	27.85	6,914.46	6916.60	22 - 32	Chinle/Alluvium Interface
	MKTF-22	03/31/21	2.00	35.66	25.77	1.48	27.25	6,915.06	6916.24	22 - 32	Chinle/Alluvium Interface
	MKTF-22	04/26/21	2.00	35.66	26.01	0.22	26.23	6,916.08	6916.26	22 - 32	Chinle/Alluvium Interface
	MKTF-22	05/20/21	2.00	35.66	25.15	1.83	26.98	6,915.33	6916.79	22 - 32	Chinle/Alluvium Interface
	MKTF-22	06/01/21	2.00	35.66	26.10	2.10	28.20	6,914.11	6915.79	22 - 32	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
11/04/13	MKTF-23	03/12/15	2.00	20.36	ND	0.00	14.79	6,915.19	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	06/09/15	2.00	20.36	ND	0.00	13.82	6,916.16	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	08/21/15	2.00	21.36	ND	0.00	14.76	6,915.22	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	11/09/15	2.00	20.36	ND	0.00	14.61	6,915.37	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	02/25/16	2.00	20.36	ND	0.00	14.67	6,915.31	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	06/10/16	2.00	20.36	ND	0.00	14.64	6,915.34	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	09/10/16	2.00	21.36	15.04	0.11	15.15	6,914.83	6,914.92	7 - 17	Chinle/Alluvium Interface
	MKTF-23	11/09/16	2.00	20.36	ND	0.00	14.61	6,915.37	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	03/08/17	2.00	20.36	ND	0.00	14.20	6,915.78	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	06/07/17	2.00	20.36	14.20	0.70	14.90	6,915.08	6,915.64	7 - 17	Chinle/Alluvium Interface
	MKTF-23	10/03/17	2.00	20.36	14.19	0.06	14.25	6,915.73	6,915.78	7 - 17	Chinle/Alluvium Interface
	MKTF-23	11/27/17	2.00	20.36	13.93	0.01	13.94	6,916.04	6,916.05	7 - 17	Chinle/Alluvium Interface
	MKTF-23	02/07/18	2.00	20.36	14.11	0.09	14.20	6,915.78	6,915.85	7 - 17	Chinle/Alluvium Interface
	MKTF-23	04/26/18	2.00	20.27	14.07	0.02	14.09	6,915.89	6,915.91	7 - 17	Chinle/Alluvium Interface
	MKTF-23	08/15/18	2.00	20.38	15.48	0.10	15.58	6,914.40	6,914.48	7 - 17	Chinle/Alluvium Interface
	MKTF-23	11/27/18	2.00	20.36	14.20	0.04	14.24	6,915.74	6,915.77	7 - 17	Chinle/Alluvium Interface
	MKTF-23	03/25/19	2.00	20.36	ND	ND	12.55	6,917.43	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	05/09/19	2.00	20.36	12.95	0.07	13.02	6,916.96	6,917.02	7 - 17	Chinle/Alluvium Interface
	MKTF-23	08/20/19	2.00	20.38	13.47	0.03	13.50	6,916.48	6,916.50	7 - 17	Chinle/Alluvium Interface
	MKTF-23	10/28/19	2.00	20.36	ND	0.00	13.95	6,916.03	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	02/27/20	2.00	20.36	ND	0.00	13.42	6,916.56	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	06/29/20	2.00	20.36	ND	0.00	13.25	6,916.73	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	09/19/20	2.00	20.02	15.42	0.02	15.44	6,914.54	6,914.56	7 - 17	Chinle/Alluvium Interface
	MKTF-23	11/10/20	2.00	20.02	ND	0.00	14.23	6,915.75	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	12/04/20	2.00	20.39	14.15	0.01	14.16	6,915.82	6,915.83	7 - 17	Chinle/Alluvium Interface
	MKTF-23	12/28/20	2.00	20.76	ND	0.00	14.09	6,915.89	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	01/28/21	2.00	20.76	14.22	0.01	14.23	6,915.75	6,915.76	7 - 17	Chinle/Alluvium Interface
	MKTF-23	02/28/21	2.00	20.41	14.38	0.01	14.39	6,915.59	6,915.60	7 - 17	Chinle/Alluvium Interface
	MKTF-23	03/31/21	2.00	20.41	ND	0.00	14.21	6,915.77	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	04/26/21	2.00	20.41	ND	0.00	13.90	6,916.08	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	05/20/21	2.00	20.41	ND	0.00	14.19	6,915.79	NA	7 - 17	Chinle/Alluvium Interface
	MKTF-23	06/01/21	2.00	20.41	ND	0.00	13.98	6,916.00	NA	7 - 17	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/29/13	MKTF-24	03/11/15	2.00	30.47	ND	0.00	21.54	6,907.18	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	06/10/15	2.00	30.47	ND	0.00	21.65	6,907.07	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	08/20/15	2.00	31.47	ND	0.00	21.53	6,907.19	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	11/04/15	2.00	30.47	ND	0.00	21.72	6,907.00	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	02/22/16	2.00	30.47	ND	0.00	21.34	6,907.38	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	06/08/16	2.00	30.47	ND	0.00	21.23	6,907.49	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	09/07/16	2.00	31.47	ND	0.00	22.69	6,906.03	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	11/04/16	2.00	30.47	ND	0.00	21.72	6,907.00	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	03/06/17	2.00	30.47	ND	0.00	20.61	6,908.11	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	06/05/17	2.00	30.47	ND	0.00	21.07	6,907.65	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	10/03/17	2.00	30.47	ND	0.00	21.52	6,907.20	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	11/20/17	2.00	30.82	ND	0.00	21.53	6,907.19	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	02/06/18	2.00	30.83	ND	0.00	21.60	6,907.12	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	04/25/18	2.00	30.78	ND	0.00	21.76	6,906.96	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	08/15/18	2.00	30.85	ND	0.00	22.65	6,906.07	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	11/14/18	2.00	30.82	ND	0.00	23.30	6,905.42	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	02/25/19	2.00	30.47	ND	0.00	22.43	6,906.29	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	05/06/19	2.00	30.47	ND	0.00	21.53	6,907.19	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	08/23/19	2.00	30.85	ND	0.00	22.05	6,906.67	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	10/22/19	2.00	30.82	ND	0.00	23.21	6,905.51	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	02/24/20	2.00	30.47	ND	0.00	22.17	6,906.55	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	06/26/20	2.00	30.47	ND	0.00	22.80	6,905.92	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	09/15/20	2.00	31.13	ND	0.00	23.35	6,905.37	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	11/10/20	2.00	31.13	ND	0.00	23.32	6,905.40	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	12/04/20	2.00	31.18	ND	0.00	23.22	6,905.50	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	01/28/21	2.00	31.23	ND	0.00	23.26	6,905.46	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	02/27/21	2.00	31.47	ND	0.00	22.97	6,905.75	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	03/31/21	2.00	31.47	ND	0.00	23.16	6,905.56	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	04/26/21	2.00	31.47	ND	0.00	24.16	6,904.56	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	05/20/21	2.00	31.47	ND	0.00	23.21	6,905.51	NA	18 - 28	Chinle/Alluvium Interface
	MKTF-24	06/01/21	2.00	31.47	ND	0.00	23.40	6,905.32	NA	18 - 28	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/30/13	MKTF-25	03/11/15	2.00	19.43	ND	0.00	10.85	6,905.34	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	06/10/15	2.00	19.43	ND	0.00	11.04	6,905.15	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	08/21/15	2.00	20.43	ND	0.00	10.60	6,905.59	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	11/05/15	2.00	19.43	ND	0.00	11.20	6,904.99	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	02/23/16	2.00	19.43	ND	0.00	10.83	6,905.36	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	06/09/16	2.00	19.43	ND	0.00	11.22	6,904.97	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	09/08/16	2.00	20.43	ND	0.00	12.17	6,904.02	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	11/05/16	2.00	19.43	ND	0.00	11.20	6,904.99	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	03/06/17	2.00	19.43	ND	0.00	9.52	6,906.67	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	06/05/17	2.00	19.43	ND	0.00	10.23	6,905.96	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	09/25/17	2.00	19.43	ND	0.00	11.04	6,905.15	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	11/21/17	2.00	19.80	ND	0.00	11.11	6,905.08	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	02/05/18	2.00	19.55	ND	0.00	11.20	6,904.99	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	04/25/18	2.00	19.50	ND	0.00	11.18	6,905.01	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	08/15/18	2.00	19.78	ND	0.00	12.36	6,903.83	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	11/14/18	2.00	19.80	ND	0.00	13.35	6,902.84	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	02/14/19	2.00	19.43	ND	0.00	13.13	6,903.06	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	05/06/19	2.00	19.43	ND	0.00	12.00	6,904.19	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	08/23/19	2.00	19.78	ND	0.00	13.12	6,903.07	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	08/27/19	2.00	20.78	ND	0.00	13.23	6,902.96	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	10/22/19	2.00	19.80	ND	0.00	13.72	6,902.47	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	02/26/20	2.00	19.43	ND	0.00	12.94	6,903.25	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	06/26/20	2.00	19.43	ND	0.00	13.33	6,902.86	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	09/15/20	2.00	20.09	ND	0.00	13.90	6,902.29	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	11/10/20	2.00	20.09	ND	0.00	13.75	6,902.44	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	12/04/20	2.00	20.38	ND	0.00	13.62	6,902.57	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	01/28/21	2.00	20.38	ND	0.00	13.54	6,902.65	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	02/27/21	2.00	20.09	ND	0.00	13.46	6,902.73	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	03/31/21	2.00	20.09	ND	0.00	13.41	6,902.78	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	04/26/21	2.00	20.09	ND	0.00	14.14	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	05/20/21	2.00	20.09	ND	0.00	13.32	6,902.87	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-25	06/01/21	2.00	20.09	ND	0.00	13.56	6,902.63	NA	6 - 16	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/30/13	MKTF-26	03/11/15	2.00	17.15	ND	0.00	8.00	6,907.31	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	06/10/15	2.00	17.15	ND	0.00	8.57	6,906.74	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	08/20/15	2.00	18.15	ND	0.00	8.54	6,906.77	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	11/04/15	2.00	17.15	ND	0.00	8.40	6,906.91	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	02/22/16	2.00	17.15	ND	0.00	8.17	6,907.14	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	06/09/16	2.00	17.15	ND	0.00	9.60	6,905.71	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	09/07/16	2.00	18.15	9.44	1.37	10.81	6,904.50	6,905.60	4 - 14	Chinle/Alluvium Interface
	MKTF-26	11/04/16	2.00	17.15	ND	0.00	8.40	6,906.91	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-26	03/06/17	2.00	17.15	7.44	0.75	8.19	6,907.12	6,907.72	4 - 14	Chinle/Alluvium Interface
	MKTF-26	06/05/17	2.00	17.15	8.03	0.96	8.99	6,906.32	6,907.09	4 - 14	Chinle/Alluvium Interface
	MKTF-26	10/03/17	2.00	17.15	7.77	0.83	8.60	6,906.71	6,907.37	4 - 14	Chinle/Alluvium Interface
	MKTF-26	11/20/17	2.00	17.15	8.09	0.84	8.93	6,906.38	6,907.05	4 - 14	Chinle/Alluvium Interface
	MKTF-26	02/07/18	2.00	17.15	8.53	0.83	9.36	6,905.95	6,906.61	4 - 14	Chinle/Alluvium Interface
	MKTF-26	04/25/18	2.00	17.05	8.56	0.81	9.37	6,905.94	6,906.59	4 - 14	Chinle/Alluvium Interface
	MKTF-26	08/15/18	2.00	17.17	8.73	0.84	9.57	6,905.74	6,906.41	4 - 14	Chinle/Alluvium Interface
	MKTF-26	11/14/18	2.00	17.15	8.45	1.45	9.90	6,905.41	6,906.57	4 - 14	Chinle/Alluvium Interface
	MKTF-26	02/14/19	2.00	17.15	8.38	0.77	9.15	6,906.16	6,906.78	4 - 14	Chinle/Alluvium Interface
	MKTF-26	05/06/19	2.00	17.15	7.80	0.85	8.65	6,906.66	6,907.34	4 - 14	Chinle/Alluvium Interface
	MKTF-26	08/23/19	2.00	17.17	8.22	0.83	9.05	6,906.26	6,906.92	4 - 14	Chinle/Alluvium Interface
	MKTF-26	10/22/19	2.00	17.15	8.63	0.73	9.36	6,905.95	6,906.53	4 - 14	Chinle/Alluvium Interface
	MKTF-26	02/26/20	2.00	17.15	8.35	0.76	9.11	6,906.20	6,906.81	4 - 14	Chinle/Alluvium Interface
	MKTF-26	06/26/20	2.00	17.15	8.61	0.89	9.50	6,905.81	6,906.52	4 - 14	Chinle/Alluvium Interface
	MKTF-26	09/15/20	2.00	16.85	8.81	0.75	9.56	6,905.75	6,906.35	4 - 14	Chinle/Alluvium Interface
	MKTF-26	11/10/20	2.00	16.85	8.65	0.71	9.36	6,905.95	6,906.52	4 - 14	Chinle/Alluvium Interface
	MKTF-26	12/04/20	2.00	17.16	7.67	1.72	9.39	6,905.92	6,907.30	4 - 14	Chinle/Alluvium Interface
	MKTF-26	01/28/21	2.00	17.16	8.93	0.27	9.20	6,906.11	6,906.33	4 - 14	Chinle/Alluvium Interface
	MKTF-26	02/27/21	2.00	16.90	8.88	0.17	9.05	6,906.26	6,906.40	4 - 14	Chinle/Alluvium Interface
	MKTF-26	03/31/21	2.00	16.90	9.00	0.11	9.11	6,906.20	6,906.29	4 - 14	Chinle/Alluvium Interface
	MKTF-26	04/26/21	2.00	16.90	8.81	0.11	8.92	6,906.39	6,906.48	4 - 14	Chinle/Alluvium Interface
	MKTF-26	05/20/21	2.00	16.90	9.02	0.12	9.14	6,906.17	6,906.27	4 - 14	Chinle/Alluvium Interface
	MKTF-26	06/01/21	2.00	16.90	9.10	0.09	9.19	6,906.12	6,906.19	4 - 14	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/30/13	MKTF-27	03/11/15	2.00	14.72	ND	0.00	7.10	6,910.80	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	06/09/15	2.00	14.72	ND	0.00	7.44	6,910.46	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	08/20/15	2.00	15.72	ND	0.00	7.85	6,910.05	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	11/04/15	2.00	14.72	ND	0.00	7.53	6,910.37	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	02/22/16	2.00	14.72	ND	0.00	7.20	6,910.70	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	06/08/16	2.00	14.72	ND	0.00	7.51	6,910.39	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	09/07/16	2.00	15.72	ND	0.00	8.06	6,909.84	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	11/04/16	2.00	14.72	ND	0.00	7.53	6,910.37	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	03/06/17	2.00	14.72	ND	0.00	6.02	6,911.88	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	06/05/17	2.00	14.72	ND	0.00	6.32	6,911.58	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	10/03/17	2.00	14.72	ND	0.00	5.90	6,912.00	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	11/20/17	2.00	14.72	ND	0.00	5.98	6,911.92	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	02/06/18	2.00	14.72	ND	0.00	6.25	6,911.65	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	04/25/18	2.00	14.62	ND	0.00	6.34	6,911.56	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	08/15/18	2.00	14.72	ND	0.00	6.15	6,911.75	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	11/14/18	2.00	14.72	ND	0.00	6.31	6,911.59	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	02/25/19	2.00	14.72	ND	0.00	3.75	6,914.15	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	05/06/19	2.00	14.72	ND	0.00	5.73	6,912.17	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	08/21/19	2.00	14.72	ND	0.00	5.66	6,912.24	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	10/30/19	2.00	14.72	ND	0.00	6.14	6,911.76	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	02/24/20	2.00	14.72	ND	0.00	3.61	6,914.29	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	06/30/20	2.00	14.72	ND	0.00	6.70	6,911.20	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	09/15/20	2.00	14.72	ND	0.00	6.21	6,911.69	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	11/10/20	2.00	14.72	ND	0.00	6.72	6,911.18	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	12/04/20	2.00	14.74	ND	0.00	6.47	6,911.43	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	01/28/21	2.00	14.74	ND	0.00	6.62	6,911.28	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	02/28/21	2.00	14.76	ND	0.00	5.51	6,912.39	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	03/31/21	2.00	14.76	ND	0.00	6.48	6,911.42	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	04/26/21	2.00	14.76	ND	0.00	6.18	6,911.72	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	05/20/21	2.00	14.76	ND	0.00	6.52	6,911.38	NA	1 - 12	Chinle/Alluvium Interface
	MKTF-27	06/01/21	2.00	14.76	ND	0.00	6.69	6,911.21	NA	1 - 12	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
04/02/14	MKTF-28	03/11/15	2.00	16.16	ND	0.00	6.64	6,914.88	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	06/09/15	2.00	16.16	ND	0.00	5.40	6,916.12	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	08/20/15	2.00	17.16	ND	0.00	6.42	6,915.10	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	11/04/15	2.00	16.16	ND	0.00	5.74	6,915.78	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	02/23/16	2.00	16.16	ND	0.00	5.32	6,916.20	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	06/08/16	2.00	16.16	ND	0.00	5.28	6,916.24	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	09/08/16	2.00	17.16	ND	0.00	6.40	6,915.12	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	11/04/16	2.00	16.16	ND	0.00	5.74	6,915.78	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	03/06/17	2.00	16.16	ND	0.00	4.68	6,916.84	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	06/05/17	2.00	16.16	ND	0.00	7.90	6,913.62	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	10/03/17	2.00	16.16	ND	0.00	4.28	6,917.24	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	11/20/17	2.00	16.13	ND	0.00	7.90	6,913.62	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	02/06/18	2.00	16.13	ND	0.00	6.73	6,914.79	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	04/25/18	2.00	16.04	ND	0.00	6.98	6,914.54	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	08/15/18	2.00	16.15	ND	0.00	4.45	6,917.07	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	11/14/18	2.00	16.13	ND	0.00	6.12	6,915.40	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	02/25/19	2.00	16.16	ND	0.00	4.91	6,916.61	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	05/06/19	2.00	16.16	ND	0.00	9.27	6,912.25	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	08/21/19	2.00	16.15	ND	0.00	3.82	6,917.70	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	10/22/19	2.00	16.13	ND	0.00	6.38	6,915.14	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	02/24/20	2.00	16.16	ND	0.00	4.53	6,916.99	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	06/30/20	2.00	16.16	ND	0.00	4.84	6,916.68	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	09/15/20	2.00	16.17	ND	0.00	4.59	6,916.93	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	11/10/20	2.00	16.17	ND	0.00	8.81	6,912.71	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	12/04/20	2.00	16.16	ND	0.00	7.13	6,914.39	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	01/28/21	2.00	16.16	ND	0.00	9.74	6,911.78	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	02/28/21	2.00	16.16	ND	0.00	8.18	6,913.34	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	03/31/21	2.00	16.16	ND	0.00	8.51	6,913.01	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	04/26/21	2.00	16.16	ND	0.00	8.47	6,913.05	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	05/20/21	2.00	16.16	ND	0.00	7.94	6,913.58	NA	3 - 13	Chinle/Alluvium Interface
	MKTF-28	06/01/21	2.00	16.16	ND	0.00	7.87	6,913.65	NA	3 - 13	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
04/02/14	MKTF-29	03/11/15	2.00	22.84	ND	0.00	2.04	6,899.58	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	06/10/15	2.00	22.84	ND	0.00	2.69	6,898.93	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	08/20/15	2.00	23.84	ND	0.00	2.30	6,899.32	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	11/04/15	2.00	22.84	ND	0.00	2.40	6,899.22	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	02/23/16	2.00	22.84	ND	0.00	1.92	6,899.70	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	06/09/16	2.00	22.84	ND	0.00	2.69	6,898.93	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	09/07/16	2.00	23.84	ND	0.00	4.52	6,897.10	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	11/04/16	2.00	22.84	ND	0.00	2.40	6,899.22	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	03/06/17	2.00	22.84	ND	0.00	0.99	6,900.63	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	06/05/17	2.00	22.84	ND	0.00	0.95	6,900.67	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	10/03/17	2.00	22.84	ND	0.00	1.59	6,900.03	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	11/20/17	2.00	22.80	ND	0.00	1.91	6,899.71	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	02/06/18	2.00	22.81	ND	0.00	1.93	6,899.69	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	04/25/18	2.00	22.77	ND	0.00	2.12	6,899.50	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	08/15/18	2.00	22.82	ND	0.00	3.92	6,897.70	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	11/14/18	2.00	22.80	ND	0.00	4.09	6,897.53	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	02/25/19	2.00	22.84	ND	0.00	3.73	6,897.89	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	05/06/19	2.00	22.84	ND	0.00	3.72	6,897.90	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	08/23/19	2.00	22.82	ND	0.00	5.83	6,895.79	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	10/22/19	2.00	22.80	ND	0.00	6.32	6,895.30	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	02/24/20	2.00	22.84	ND	0.00	4.49	6,897.13	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	06/26/20	2.00	22.84	ND	0.00	6.42	6,895.20	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	09/15/20	2.00	22.78	ND	0.00	8.01	6,893.61	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	11/10/20	2.00	22.78	ND	0.00	6.98	6,894.64	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	12/04/20	2.00	22.85	ND	0.00	6.40	6,895.22	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	01/28/21	2.00	22.85	ND	0.00	5.61	6,896.01	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	02/28/21	2.00	22.83	ND	0.00	5.31	6,896.31	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	03/31/21	2.00	22.83	ND	0.00	5.20	6,896.42	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	04/26/21	2.00	22.83	ND	0.00	4.92	6,896.70	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	05/20/21	2.00	22.83	ND	0.00	5.21	6,896.41	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-29	06/01/21	2.00	22.83	ND	0.00	4.12	6,897.50	NA	10 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
04/01/14	MKTF-30	03/11/15	2.00	23.20	ND	0.00	14.74	6,886.06	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	06/10/15	2.00	23.20	ND	0.00	14.57	6,886.23	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	08/20/15	2.00	24.20	ND	0.00	15.29	6,885.51	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	11/04/15	2.00	23.20	ND	0.00	14.74	6,886.06	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	02/23/16	2.00	23.20	ND	0.00	14.40	6,886.40	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	06/09/16	2.00	23.20	ND	0.00	14.01	6,886.79	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	09/07/16	2.00	24.20	ND	0.00	15.48	6,885.32	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	11/04/16	2.00	23.20	ND	0.00	14.74	6,886.06	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	03/06/17	2.00	23.20	ND	0.00	14.13	6,886.67	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	06/05/17	2.00	23.20	ND	0.00	13.87	6,886.93	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	10/03/17	2.00	23.20	ND	0.00	15.03	6,885.77	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	11/20/17	2.00	23.19	ND	0.00	14.91	6,885.89	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	02/06/18	2.00	23.20	ND	0.00	14.20	6,886.60	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	04/25/18	2.00	23.10	ND	0.00	13.79	6,887.01	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	08/15/18	2.00	23.20	ND	0.00	14.65	6,886.15	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	11/14/18	2.00	23.19	ND	0.00	15.15	6,885.65	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	03/28/19	2.00	23.20	ND	0.00	13.68	6,887.12	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	05/06/19	2.00	23.20	ND	0.00	13.81	6,886.99	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	08/23/19	2.00	23.20	ND	0.00	14.88	6,885.92	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	10/22/19	2.00	23.19	ND	0.00	15.82	6,884.98	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	02/26/20	2.00	23.20	ND	0.00	15.31	6,885.49	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	06/26/20	2.00	23.20	ND	0.00	16.19	6,884.61	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	09/15/20	2.00	23.22	ND	0.00	16.66	6,884.14	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	11/10/20	2.00	23.22	ND	0.00	16.87	6,883.93	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	12/04/20	2.00	23.22	ND	0.00	16.76	6,884.04	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	01/28/21	2.00	23.22	ND	0.00	16.79	6,884.01	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	02/28/21	2.00	22.95	ND	0.00	16.33	6,884.47	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	03/31/21	2.00	22.95	ND	0.00	16.40	6,884.40	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	04/26/21	2.00	22.95	ND	0.00	16.20	6,884.60	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	05/20/21	2.00	22.95	ND	0.00	16.39	6,884.41	NA	10 - 20	Chinle/Alluvium Interface
	MKTF-30	06/01/21	2.00	22.95	ND	0.00	16.32	6,884.48	NA	10 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
04/01/14	MKTF-31	03/11/15	2.00	22.81	ND	0.00	7.98	6,898.89	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	06/10/15	2.00	22.81	ND	0.00	7.75	6,899.12	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	08/21/15	2.00	23.81	ND	0.00	8.09	6,898.78	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	11/04/15	2.00	22.81	ND	0.00	8.14	6,898.73	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	02/23/16	2.00	22.81	ND	0.00	7.95	6,898.92	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	06/09/16	2.00	22.81	ND	0.00	7.75	6,899.12	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	09/08/16	2.00	23.81	ND	0.00	8.48	6,898.39	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	11/04/16	2.00	22.81	ND	0.00	8.14	6,898.73	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	03/07/17	2.00	22.81	ND	0.00	7.84	6,899.03	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	06/05/17	2.00	22.81	ND	0.00	7.58	6,899.29	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	09/25/17	2.00	23.81	ND	0.00	8.29	6,898.58	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	11/21/17	2.00	19.30	ND	0.00	8.15	6,898.72	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	02/05/18	2.00	19.31	ND	0.00	7.90	6,898.97	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	04/25/18	2.00	19.26	ND	0.00	7.73	6,899.14	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	08/15/18	2.00	19.35	ND	0.00	8.25	6,898.62	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	11/14/18	2.00	19.30	ND	0.00	8.44	6,898.43	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	02/14/19	2.00	22.81	ND	0.00	8.25	6,898.62	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	05/06/19	2.00	22.81	ND	0.00	7.72	6,899.15	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	08/23/19	2.00	19.35	ND	0.00	8.30	6,898.57	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	10/22/19	2.00	19.30	ND	0.00	8.64	6,898.23	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	02/24/20	2.00	22.81	ND	0.00	8.10	6,898.77	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	06/26/20	2.00	22.81	ND	0.00	8.25	6,898.62	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	09/15/20	2.00	19.34	ND	0.00	8.75	6,898.12	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	11/10/20	2.00	19.34	ND	0.00	8.79	6,898.08	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	12/04/20	2.00	19.37	ND	0.00	8.73	6,898.14	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	01/28/21	2.00	13.37	ND	0.00	8.62	6,898.25	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	02/28/21	2.00	19.36	ND	0.00	8.53	6,898.34	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	03/31/21	2.00	19.36	ND	0.00	8.61	6,898.26	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	04/26/21	2.00	19.36	ND	0.00	8.40	6,898.47	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	05/20/21	2.00	19.36	ND	0.00	8.51	6,898.36	NA	6 - 21	Chinle/Alluvium Interface
	MKTF-31	06/01/21	2.00	19.36	ND	0.00	8.43	6,898.44	NA	6 - 21	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
03/31/14	MKTF-32	03/12/15	2.00	27.75	ND	0.00	15.49	6,895.62	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	06/09/15	2.00	27.75	ND	0.00	15.49	6,895.62	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	08/21/15	2.00	28.75	ND	0.00	15.15	6,895.96	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	11/05/15	2.00	27.75	ND	0.00	14.84	6,896.27	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	02/24/16	2.00	27.75	ND	0.00	14.53	6,896.58	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	06/09/16	2.00	27.75	ND	0.00	14.31	6,896.80	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	09/09/16	2.00	28.75	ND	0.00	14.40	6,896.71	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	11/05/16	2.00	27.75	ND	0.00	14.84	6,896.27	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	03/07/17	2.00	27.75	ND	0.00	13.70	6,897.41	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	06/06/17	2.00	27.75	ND	0.00	13.79	6,897.32	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	09/25/17	2.00	28.75	ND	0.00	14.11	6,897.00	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	11/27/17	2.00	27.75	ND	0.00	13.57	6,897.54	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	02/07/18	2.00	27.75	ND	0.00	13.70	6,897.41	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	04/25/18	2.00	27.66	ND	0.00	13.48	6,897.63	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	08/15/18	2.00	27.77	ND	0.00	14.00	6,897.11	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	11/14/18	2.00	27.75	ND	0.00	14.10	6,897.01	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	02/13/19	2.00	27.75	ND	0.00	13.49	6,897.62	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	05/07/19	2.00	27.75	ND	0.00	13.25	6,897.86	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	08/20/19	2.00	27.77	ND	0.00	14.03	6,897.08	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	10/23/19	2.00	27.75	ND	0.00	14.01	6,897.10	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-32	02/26/20	2.00	27.75	ND	0.00	13.78	6,897.33	NA	9 - 25	Chinle/Alluvium Interface
	MKTF-32	06/29/20	2.00	27.75	ND	0.00	14.25	6,896.86	NA	10 - 24	Chinle/Alluvium Interface
	MKTF-32	09/14/20	2.00	27.46	ND	0.00	14.58	6,896.53	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	11/10/20	2.00	27.46	ND	0.00	14.31	6,896.80	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	12/04/20	2.00	27.82	ND	0.00	14.25	6,896.86	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	01/28/21	2.00	27.82	14.08	0.01	14.08	6,897.03	6897.04	9 - 26	Chinle/Alluvium Interface
	MKTF-32	02/27/21	2.00	27.79	14.01	0.01	14.02	6,897.09	6897.10	9 - 26	Chinle/Alluvium Interface
	MKTF-32	03/31/21	2.00	27.79	ND	0.00	14.11	6,897.00	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	04/26/21	2.00	27.79	ND	0.00	13.90	6,897.21	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	05/20/21	2.00	27.79	ND	0.00	14.15	6,896.96	NA	9 - 26	Chinle/Alluvium Interface
	MKTF-32	06/01/21	2.00	27.79	ND	0.00	13.86	6,897.25	NA	9 - 26	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
04/03/14	MKTF-33	03/12/15	2.00	33.20	ND	0.00	23.32	6,916.43	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	06/09/15	2.00	33.20	ND	0.00	23.30	6,916.45	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	08/21/15	2.00	34.20	ND	0.00	23.32	6,916.43	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	11/09/15	2.00	33.20	ND	0.00	23.19	6,916.56	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	02/25/16	2.00	33.20	ND	0.00	23.20	6,916.55	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	06/10/16	2.00	33.20	ND	0.00	23.29	6,916.46	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	09/10/16	2.00	34.20	ND	0.00	23.20	6,916.55	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	11/09/16	2.00	33.20	ND	0.00	23.19	6,916.56	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	03/08/17	2.00	33.20	ND	0.00	22.16	6,917.59	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	06/07/17	2.00	33.20	ND	0.00	22.07	6,917.68	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	09/25/17	2.00	33.20	ND	0.00	22.50	6,917.25	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	11/27/17	2.00	33.22	ND	0.00	22.27	6,917.48	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	02/07/18	2.00	33.20	ND	0.00	22.65	6,917.10	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	04/26/18	2.00	33.11	ND	0.00	22.55	6,917.20	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	08/15/18	2.00	33.23	ND	0.00	22.85	6,916.90	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	11/27/18	2.00	33.22	ND	0.00	22.72	6,917.03	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	03/25/19	2.00	33.20	ND	0.00	22.00	6,917.75	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	05/09/19	2.00	33.20	ND	0.00	22.04	6,917.71	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	08/20/19	2.00	33.23	ND	0.00	22.35	6,917.40	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	10/24/19	2.00	33.22	ND	0.00	22.50	6,917.25	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	02/27/20	2.00	33.20	ND	0.00	22.71	6,917.04	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	06/29/20	2.00	33.20	ND	0.00	21.17	6,918.58	NA	20 - 30	Chinle/Alluvium Interface
	MKTF-33	09/14/20	2.00	33.15	21.61	6.41	28.02	6,911.73	6916.86	20 - 30	Chinle/Alluvium Interface
	MKTF-33	11/10/20	2.00	33.15	21.65	6.16	27.81	6,911.94	6916.87	20 - 30	Chinle/Alluvium Interface
	MKTF-33	12/04/20	2.00	33.57	21.69	6.08	27.77	6,911.98	6916.84	20 - 30	Chinle/Alluvium Interface
	MKTF-33	01/28/21	2.00	33.57	22.58	3.38	25.96	6,913.79	6916.49	20 - 30	Chinle/Alluvium Interface
	MKTF-33	02/27/21	2.00	33.28	23.00	0.75	23.75	6,916.00	6916.60	20 - 30	Chinle/Alluvium Interface
	MKTF-33	03/31/21	2.00	33.28	23.19	0.22	23.41	6,916.34	6916.52	20 - 30	Chinle/Alluvium Interface
	MKTF-33	04/26/21	2.00	33.28	24.16	0.61	24.77	6,914.98	6915.47	20 - 30	Chinle/Alluvium Interface
	MKTF-33	05/20/21	2.00	33.28	23.21	0.31	23.52	6,916.23	6916.48	20 - 30	Chinle/Alluvium Interface
	MKTF-33	06/01/21	2.00	33.28	23.07	0.38	23.45	6,916.30	6916.60	20 - 30	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
03/31/14	MKTF-34	03/12/15	2.00	27.68	ND	0.00	18.77	6,926.58	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	06/08/15	2.00	27.68	ND	0.00	18.90	6,926.45	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	08/18/15	2.00	28.68	ND	0.00	18.74	6,926.61	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/03/15	2.00	27.68	ND	0.00	19.00	6,926.35	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	02/25/16	2.00	27.68	ND	0.00	19.20	6,926.15	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	06/10/16	2.00	27.68	ND	0.00	18.60	6,926.75	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	09/12/16	2.00	28.68	ND	0.00	18.03	6,927.32	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/03/16	2.00	27.68	ND	0.00	19.00	6,926.35	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	03/01/17	2.00	27.68	ND	0.00	16.50	6,928.85	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	06/14/17	2.00	27.68	ND	0.00	17.63	6,927.72	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	09/26/17	2.00	27.68	ND	0.00	17.62	6,927.73	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/30/17	2.00	27.70	ND	0.00	18.03	6,927.32	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	02/15/18	2.00	27.71	ND	0.00	18.80	6,926.55	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	04/26/18	2.00	27.60	ND	0.00	18.63	6,926.72	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	08/15/18	2.00	27.70	ND	0.00	18.58	6,926.77	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/27/18	2.00	27.70	ND	0.00	18.95	6,926.40	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	03/25/19	2.00	27.68	ND	0.00	16.95	6,928.40	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	05/09/19	2.00	27.68	ND	0.00	18.09	6,927.26	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	08/19/19	2.00	27.70	ND	0.00	17.70	6,927.65	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	10/29/19	2.00	27.70	ND	0.00	18.03	6,927.32	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/12/19	2.00	27.70	ND	0.00	18.06	6,927.29	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	02/05/20	2.00	27.70	ND	0.00	17.78	6,927.57	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	06/29/20	2.00	27.70	19.04	0.02	19.06	6,926.29	6926.31	9 - 24	Chinle/Alluvium Interface
	MKTF-34	09/14/20	2.00	27.76	ND	0.00	19.09	6,926.26	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	11/10/20	2.00	27.76	ND	0.00	19.08	6,926.27	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	12/04/20	2.00	27.78	18.91	0.01	18.92	6,926.43	6,926.44	9 - 24	Chinle/Alluvium Interface
	MKTF-34	01/28/21	2.00	27.80	ND	0.00	19.39	6,925.96	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	02/28/21	2.00	27.79	18.40	0.01	18.41	6,926.94	6,926.95	9 - 24	Chinle/Alluvium Interface
	MKTF-34	03/31/21	2.00	27.79	ND	0.00	20.61	6,924.74	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	04/26/21	2.00	27.79	ND	0.00	22.61	6,922.74	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	05/20/21	2.00	27.79	ND	0.00	20.60	6,924.75	NA	9 - 24	Chinle/Alluvium Interface
	MKTF-34	06/01/21	2.00	27.79	ND	0.00	20.23	6,925.12	NA	9 - 24	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/19/14	MKTF-35	03/17/15	2.00	16.45	ND	0.00	8.93	6,942.72	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	06/04/15	2.00	16.45	ND	0.00	8.93	6,942.72	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	08/18/15	2.00	16.45	ND	0.00	8.91	6,942.74	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/03/15	2.00	16.45	ND	0.00	9.02	6,942.63	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	02/26/16	2.00	16.45	ND	0.00	8.40	6,943.25	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	06/10/16	2.00	16.45	ND	0.00	7.37	6,944.28	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	09/12/16	2.00	16.45	ND	0.00	6.65	6,945.00	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/03/16	2.00	16.45	ND	0.00	9.02	6,942.63	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	03/01/17	2.00	16.45	ND	0.00	6.18	6,945.47	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	06/14/17	2.00	16.45	ND	0.00	7.12	6,944.53	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	09/27/17	2.00	16.45	ND	0.00	7.70	6,943.95	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/30/17	2.00	16.45	ND	0.00	8.15	6,943.50	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	02/15/18	2.00	16.47	ND	0.00	8.70	6,942.95	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	04/26/18	2.00	16.40	ND	0.00	8.53	6,943.12	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	08/16/18	2.00	16.48	ND	0.00	8.70	6,942.95	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/27/18	2.00	16.45	ND	0.00	9.10	6,942.55	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	03/25/19	2.00	16.45	ND	0.00	8.54	6,943.11	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	05/16/19	2.00	16.45	ND	0.00	8.49	6,943.16	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	08/19/19	2.00	16.48	ND	0.00	8.09	6,943.56	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	10/28/19	2.00	16.45	ND	0.00	8.42	6,943.23	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	10/29/19	2.00	16.45	ND	0.00	8.40	6,943.25	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/12/19	2.00	16.45	ND	0.00	8.60	6,943.05	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	02/05/20	2.00	16.45	ND	0.00	9.28	6,942.37	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	06/30/20	2.00	16.45	ND	0.00	9.25	6,942.40	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	09/14/20	2.00	16.23	ND	0.00	8.59	6,943.06	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	11/10/20	2.00	16.23	ND	0.00	8.86	6,942.79	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	12/04/20	2.00	16.39	9.02	0.01	9.03	6,942.62	6,942.63	6 - 16	Chinle/Alluvium Interface
	MKTF-35	01/28/21	2.00	16.39	ND	0.00	9.46	6,942.19	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	02/28/21	2.00	16.55	ND	0.00	9.17	6,942.48	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	03/31/21	2.00	16.55	ND	0.00	9.50	6,942.15	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	04/26/21	2.00	16.55	ND	0.00	10.33	6,941.32	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	05/20/21	2.00	16.55	ND	0.00	9.60	6,942.05	NA	6 - 16	Chinle/Alluvium Interface
	MKTF-35	06/01/21	2.00	16.55	ND	0.00	9.47	6,942.18	NA	6 - 16	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/19/14	MKTF-36	03/17/15	2.00	15.45	ND	0.00	7.71	6,942.41	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	06/04/15	2.00	15.45	ND	0.00	7.53	6,942.59	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	08/18/15	2.00	15.45	ND	0.00	7.50	6,942.62	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/03/15	2.00	15.45	7.00	0.66	7.66	6,942.46	6,942.99	5 - 15	Chinle/Alluvium Interface
	MKTF-36	03/17/16	2.00	15.45	ND	0.00	7.71	6,942.41	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	06/10/16	2.00	15.45	6.78	0.02	6.80	6,943.32	6,943.34	5 - 15	Chinle/Alluvium Interface
	MKTF-36	09/13/16	2.00	15.45	6.54	0.01	6.55	6,943.57	6,943.58	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/03/16	2.00	15.45	7.00	0.66	7.66	6,942.46	6,942.99	5 - 15	Chinle/Alluvium Interface
	MKTF-36	03/01/17	2.00	15.45	ND	0.00	5.56	6,944.56	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	06/14/17	2.00	15.45	ND	0.00	5.40	6,944.72	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	09/27/17	2.00	15.45	ND	0.00	5.80	6,944.32	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/30/17	2.00	15.45	ND	0.00	6.45	6,943.67	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	02/15/18	2.00	15.45	ND	0.00	6.86	6,943.26	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	04/26/18	2.00	15.40	ND	0.00	6.56	6,943.56	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	09/05/18	2.00	15.43	ND	0.00	6.52	6,943.60	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/29/18	2.00	NM	NM	0.00	NM	NA	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	03/25/19	2.00	NM	NM	0.00	NM	NA	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	05/14/19	2.00	NM	NM	0.00	NM	NA	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	08/19/19	2.00	NM	NM	0.00	NM	NA	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/06/19	2.00	15.40	5.08	5.25	10.33	6,939.79	6,943.99	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/07/19	2.00	15.61	4.30	5.91	10.21	6,943.30	6,948.03	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/12/19	2.00	15.61	6.80	2.85	9.65	6,943.86	6,946.14	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/13/19	2.00	15.61	6.95	2.45	9.40	6,944.11	6,946.07	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/14/19	2.00	15.61	7.14	2.47	9.61	6,943.90	6,945.88	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/15/19	2.00	15.61	7.31	2.15	9.46	6,944.05	6,945.77	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/19/19	2.00	15.61	7.80	1.18	8.98	6,944.53	6,945.47	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/21/19	2.00	15.61	8.00	0.78	8.78	6,944.73	6,945.35	5 - 15	Chinle/Alluvium Interface
	MKTF-36	12/02/19	2.00	15.61	8.25	0.70	8.95	6,944.56	6,945.12	5 - 15	Chinle/Alluvium Interface
	MKTF-36	02/03/20	2.00	15.61	7.89	0.55	8.44	6,945.07	6,945.51	5 - 15	Chinle/Alluvium Interface
	MKTF-36	06/30/20	2.00	15.61	8.04	0.21	8.25	6,945.26	6,945.43	5 - 15	Chinle/Alluvium Interface
	MKTF-36	09/14/20	2.00	15.58	ND	0.00	7.87	6,945.64	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-36	11/10/20	2.00	15.58	7.98	0.05	8.03	6,945.48	6,945.52	5 - 15	Chinle/Alluvium Interface
	MKTF-36	12/04/20	2.00	15.58	8.10	0.07	8.17	6,945.34	6,945.40	5 - 15	Chinle/Alluvium Interface
	MKTF-36	01/28/21	2.00	15.58	8.13	0.05	8.18	6,945.33	6,945.37	5 - 15	Chinle/Alluvium Interface
	MKTF-36	02/28/21	2.00	15.58	8.26	0.01	8.27	6,945.24	6,945.25	5 - 15	Chinle/Alluvium Interface
	MKTF-36	03/31/21	2.00	15.58	ND	0.00	8.36	6,945.15	6,945.15	5 - 15	Chinle/Alluvium Interface
	MKTF-36	04/26/21	2.00	15.58	ND	0.00	8.91	6,944.60	6,944.60	5 - 15	Chinle/Alluvium Interface
	MKTF-36	05/20/21	2.00	15.58	ND	0.00	8.30	6,945.21	6,945.21	5 - 15	Chinle/Alluvium Interface
	MKTF-36	06/01/21	2.00	15.58	ND	0.00	8.11	6,945.40	6,945.40	5 - 15	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
11/18/14	MKTF-37	03/17/15	2.00	24.60	ND	0.00	9.21	6,949.66	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	06/04/15	2.00	24.60	ND	0.00	9.48	6,949.39	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	08/18/15	2.00	24.60	ND	0.00	9.45	6,949.42	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/03/15	2.00	24.60	9.54	0.03	9.57	6,949.30	6,949.32	4 - 24	Chinle/Alluvium Interface
	MKTF-37	03/17/16	2.00	24.60	ND	0.00	9.21	6,949.66	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	06/10/16	2.00	24.60	8.21	0.02	8.23	6,950.64	6,950.66	4 - 24	Chinle/Alluvium Interface
	MKTF-37	09/12/16	2.00	24.60	ND	0.00	7.65	6,951.22	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/03/16	2.00	24.60	9.54	0.03	9.57	6,949.30	6,949.32	4 - 24	Chinle/Alluvium Interface
	MKTF-37	03/01/17	2.00	24.60	ND	0.00	6.90	6,951.97	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	06/14/17	2.00	24.60	7.20	0.04	7.24	6,951.63	6,951.66	4 - 24	Chinle/Alluvium Interface
	MKTF-37	09/27/17	2.00	24.60	7.83	0.06	7.89	6,950.98	6,951.03	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/30/17	2.00	24.60	8.39	0.02	8.41	6,950.46	6,950.48	4 - 24	Chinle/Alluvium Interface
	MKTF-37	02/15/18	2.00	24.60	8.96	0.04	9.00	6,949.87	6,949.90	4 - 24	Chinle/Alluvium Interface
	MKTF-37	04/26/18	2.00	24.54	ND	0.00	8.52	6,950.35	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	08/16/18	2.00	24.59	ND	0.00	8.70	6,950.17	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/27/18	2.00	24.60	9.40	0.12	9.52	6,949.35	6,949.45	4 - 24	Chinle/Alluvium Interface
	MKTF-37	03/25/19	2.00	24.60	ND	0.00	8.39	6,950.48	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	05/16/19	2.00	24.60	9.10	0.08	9.18	6,949.69	6,949.75	4 - 24	Chinle/Alluvium Interface
	MKTF-37	08/23/19	2.00	24.59	8.85	0.02	8.87	6,950.00	6,950.02	4 - 24	Chinle/Alluvium Interface
	MKTF-37	10/28/19	2.00	24.60	9.30	0.03	9.33	6,949.54	6,949.56	4 - 24	Chinle/Alluvium Interface
	MKTF-37	10/29/19	2.00	24.60	9.17	0.03	9.20	6,949.67	6,949.69	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/12/19	2.00	24.60	9.52	0.04	9.56	6,949.31	6,949.34	4 - 24	Chinle/Alluvium Interface
	MKTF-37	02/03/20	2.00	24.60	9.77	0.12	9.89	6,948.98	6,949.08	4 - 24	Chinle/Alluvium Interface
	MKTF-37	06/30/20	2.00	24.60	9.61	0.02	9.63	6,949.24	6,949.26	4 - 24	Chinle/Alluvium Interface
	MKTF-37	09/14/20	2.00	24.54	ND	0.00	8.76	6,950.11	NA	4 - 24	Chinle/Alluvium Interface
	MKTF-37	11/10/20	2.00	24.54	9.36	0.01	9.37	6,949.50	6,949.51	4 - 24	Chinle/Alluvium Interface
	MKTF-37	12/04/20	2.00	24.61	9.64	0.01	9.65	6,949.22	6,949.23	4 - 24	Chinle/Alluvium Interface
	MKTF-37	01/28/21	2.00	24.61	9.64	0.01	9.65	6,949.22	6,949.23	4 - 24	Chinle/Alluvium Interface
	MKTF-37	02/28/21	2.00	24.67	9.65	0.02	9.67	6,949.20	6,949.22	4 - 24	Chinle/Alluvium Interface
	MKTF-37	03/31/21	2.00	24.67	9.83	0.02	9.85	6,949.02	6,949.04	4 - 24	Chinle/Alluvium Interface
	MKTF-37	04/26/21	2.00	24.67	10.10	0.03	10.13	6,948.74	6,948.76	4 - 24	Chinle/Alluvium Interface
	MKTF-37	05/20/21	2.00	24.67	9.79	0.03	9.82	6,949.05	6,949.07	4 - 24	Chinle/Alluvium Interface
	MKTF-37	06/01/21	2.00	24.67	9.86	0.04	9.90	6,948.97	6,949.00	4 - 24	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/20/14	MKTF-38	03/16/15	2.00	20.29	ND	0.00	9.00	6,945.89	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	06/10/15	2.00	20.29	ND	0.00	9.34	6,945.55	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	08/24/15	2.00	20.29	ND	0.00	9.25	6,945.64	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	11/09/15	2.00	20.29	ND	0.00	9.45	6,945.44	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	02/29/16	2.00	20.29	ND	0.00	8.63	6,946.26	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	06/08/16	2.00	20.29	ND	0.00	8.43	6,946.46	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	09/13/16	2.00	20.29	ND	0.00	8.00	6,946.89	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	11/09/16	2.00	20.29	ND	0.00	9.45	6,945.44	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	03/14/17	2.00	20.29	ND	0.00	6.41	6,948.48	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	06/21/17	2.00	20.29	ND	0.00	6.40	6,948.49	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	09/28/17	2.00	20.29	ND	0.00	6.32	6,948.57	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	11/30/17	2.00	20.29	ND	0.00	7.83	6,947.06	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	02/12/18	2.00	20.30	ND	0.00	8.40	6,946.49	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	04/25/18	2.00	20.28	ND	0.00	7.79	6,947.10	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	08/16/18	2.00	20.27	ND	0.00	8.05	6,946.84	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	11/19/18	2.00	20.29	ND	0.00	8.99	6,945.90	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	03/26/19	2.00	20.29	ND	0.00	11.30	6,943.59	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	05/14/19	2.00	20.29	ND	0.00	8.66	6,946.23	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	06/27/19	2.00	20.29	ND	0.00	8.75	6,946.14	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	08/20/19	2.00	20.27	ND	0.00	8.77	6,946.12	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	12/03/19	2.00	20.29	ND	0.00	9.50	6,945.39	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	03/04/20	2.00	20.31	ND	0.00	9.61	6,945.28	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	06/26/20	2.00	20.33	ND	0.00	9.38	6,945.51	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	09/14/20	2.00	20.18	ND	0.00	8.55	6,946.34	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	11/10/20	2.00	20.18	ND	0.00	9.12	6,945.77	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	12/04/20	2.00	21.30	9.35	0.01	9.36	6,945.53	6,945.54	5 - 20	Chinle/Alluvium Interface
	MKTF-38	02/28/21	2.00	21.30	ND	0.00	9.22	6,945.67	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	02/28/21	2.00	20.34	ND	0.00	9.17	6,945.72	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	03/31/21	2.00	20.34	ND	0.00	9.30	6,945.59	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	04/26/21	2.00	20.34	ND	0.00	8.86	6,946.03	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	05/20/21	2.00	20.34	ND	0.00	9.31	6,945.58	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-38	05/20/21	2.00	20.34	ND	0.00	8.95	6,945.94	NA	5 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/14/14	MKTF-39	03/16/15	2.00	15.20	ND	0.00	8.88	6,944.87	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/10/15	2.00	15.20	ND	0.00	9.31	6,944.44	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	08/23/15	2.00	15.20	ND	0.00	9.24	6,944.51	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/09/15	2.00	15.20	ND	0.00	9.39	6,944.36	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	03/03/16	2.00	15.20	ND	0.00	8.50	6,945.25	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/08/16	2.00	15.20	ND	0.00	8.33	6,945.42	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	09/13/16	2.00	15.20	ND	0.00	8.40	6,945.35	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/09/16	2.00	15.20	ND	0.00	9.39	6,944.36	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	03/14/17	2.00	15.20	ND	0.00	6.44	6,947.31	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/08/17	2.00	15.20	ND	0.00	6.25	6,947.50	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	09/28/17	2.00	15.20	ND	0.00	7.32	6,946.43	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/28/17	2.00	15.18	ND	0.00	7.55	6,946.20	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	02/08/18	2.00	15.20	ND	0.00	8.18	6,945.57	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	04/25/18	2.00	15.13	ND	0.00	7.82	6,945.93	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	08/16/18	2.00	15.20	ND	0.00	8.30	6,945.45	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/19/18	2.00	15.18	ND	0.00	9.00	6,944.75	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	03/28/19	2.00	15.20	NM	0.00	NM	NA	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/05/19	2.00	15.20	ND	0.00	8.69	6,945.06	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	08/20/19	2.00	15.20	ND	0.00	9.04	6,944.71	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/04/19	2.00	15.18	ND	0.00	9.59	6,944.16	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	02/03/20	2.00	15.20	ND	0.00	10.10	6,943.65	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/26/20	2.00	15.00	ND	0.00	9.63	6,944.12	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	09/15/20	2.00	14.19	ND	0.00	9.58	6,944.17	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	11/10/20	2.00	14.19	ND	0.00	10.05	6,943.70	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	12/04/20	2.00	15.19	ND	0.00	10.15	6,943.70	NA	5 - 15	Chinle/Alluvium Interface
	MKTF-39	01/28/21	2.00	15.19	9.45	2.13	11.58	6,942.17	6,943.87	5 - 15	Chinle/Alluvium Interface
	MKTF-39	02/28/21	2.00	15.21	9.31	0.71	10.02	6,943.73	6,944.30	5 - 15	Chinle/Alluvium Interface
	MKTF-39	03/31/21	2.00	15.21	9.38	0.82	10.20	6,943.55	6,944.21	5 - 15	Chinle/Alluvium Interface
	MKTF-39	04/26/21	2.00	15.21	11.16	0.03	11.19	6,942.56	6,942.58	5 - 15	Chinle/Alluvium Interface
	MKTF-39	05/20/21	2.00	15.21	9.36	0.86	10.22	6,943.53	6,944.22	5 - 15	Chinle/Alluvium Interface
	MKTF-39	06/01/21	2.00	15.21	9.27	0.79	10.06	6,943.69	6,944.32	5 - 15	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/13/14	MKTF-40	03/11/15	2.00	2.00	ND	0.00	14.60	6,879.73	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	06/10/15	2.00	23.64	ND	0.00	14.20	6,880.13	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	08/21/15	2.00	23.64	ND	0.00	13.83	6,880.50	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	11/04/15	2.00	23.64	ND	0.00	13.91	6,880.42	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	02/23/16	2.00	23.64	ND	0.00	13.88	6,880.45	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	06/09/16	2.00	23.64	ND	0.00	13.31	6,881.02	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	09/08/16	2.00	23.64	ND	0.00	13.52	6,880.81	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	11/04/16	2.00	23.64	ND	0.00	13.91	6,880.42	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	03/07/17	2.00	23.64	ND	0.00	13.14	6,881.19	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	06/05/17	2.00	23.64	ND	0.00	13.29	6,881.04	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	09/25/17	2.00	23.64	ND	0.00	13.28	6,881.05	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	11/21/17	2.00	23.62	ND	0.00	13.71	6,880.62	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	02/05/18	2.00	23.62	ND	0.00	13.18	6,881.15	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	04/25/18	2.00	23.53	ND	0.00	12.94	6,881.39	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	08/15/18	2.00	23.54	ND	0.00	12.74	6,881.59	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	11/14/18	2.00	23.62	ND	0.00	13.64	6,880.69	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	02/20/19	2.00	23.64	ND	0.00	12.79	6,881.54	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	05/06/19	2.00	23.64	ND	0.00	12.36	6,881.97	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	08/22/19	2.00	23.54	ND	0.00	12.15	6,882.18	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	10/22/19	2.00	23.62	ND	0.00	13.04	6,881.29	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	02/27/20	2.00	23.64	ND	0.00	13.23	6,881.10	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	06/26/20	2.00	23.64	ND	0.00	12.75	6,881.58	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	09/15/20	2.00	23.66	ND	0.00	13.39	6,880.94	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	11/10/20	2.00	23.66	ND	0.00	13.71	6,880.62	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	12/04/20	2.00	23.67	ND	0.00	13.99	6,880.34	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	01/28/21	2.00	23.68	ND	0.00	14.22	6,880.11	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	02/28/21	2.00	23.66	ND	0.00	14.17	6,880.16	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	03/31/21	2.00	23.66	ND	0.00	14.65	6,879.68	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	04/26/21	2.00	23.66	ND	0.00	15.65	6,878.68	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	05/20/21	2.00	23.66	ND	0.00	14.63	6,879.70	NA	5 - 20	Chinle/Alluvium Interface
	MKTF-40	06/01/21	2.00	23.66	ND	0.00	14.70	6,879.63	NA	5 - 20	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/14/14	MKTF-41	03/12/15	2.00	40.10	ND	0.00	20.07	6,873.57	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	06/09/15	2.00	40.10	ND	0.00	19.77	6,873.87	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	08/21/15	2.00	40.10	ND	0.00	19.90	6,873.74	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	11/05/15	2.00	40.10	ND	0.00	19.77	6,873.87	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	02/24/16	2.00	40.10	ND	0.00	19.90	6,873.74	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	06/09/16	2.00	40.10	ND	0.00	19.65	6,873.99	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	09/09/16	2.00	40.10	ND	0.00	20.11	6,873.53	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	11/05/16	2.00	40.10	ND	0.00	19.77	6,873.87	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	03/07/17	2.00	40.10	ND	0.00	19.60	6,874.04	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	06/06/17	2.00	40.10	ND	0.00	18.49	6,875.15	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	09/25/17	2.00	40.10	ND	0.00	20.25	6,873.39	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	11/27/17	2.00	39.71	ND	0.00	19.81	6,873.83	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	02/07/18	2.00	39.72	ND	0.00	20.23	6,873.41	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	04/25/18	2.00	39.91	ND	0.00	19.97	6,873.67	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	08/15/18	2.00	39.74	ND	0.00	20.26	6,873.38	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	11/14/18	2.00	39.71	ND	0.00	20.51	6,873.13	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	02/13/19	2.00	40.10	ND	0.00	20.10	6,873.54	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	05/07/19	2.00	40.10	ND	0.00	19.52	6,874.12	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	08/22/19	2.00	39.74	ND	0.00	19.55	6,874.09	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	10/23/19	2.00	39.71	ND	0.00	20.02	6,873.62	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	02/26/20	2.00	40.10	ND	0.00	20.15	6,873.49	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	06/29/20	2.00	40.10	ND	0.00	19.77	6,873.87	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	09/14/20	2.00	39.66	ND	0.00	20.72	6,872.92	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	11/10/20	2.00	39.66	ND	0.00	21.01	6,872.63	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	12/04/20	2.00	39.80	ND	0.00	20.90	6,872.74	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	01/28/21	2.00	39.94	ND	0.00	21.21	6,872.43	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	02/27/21	2.00	39.85	ND	0.00	21.11	6,872.53	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	03/31/21	2.00	39.85	ND	0.00	21.41	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	04/26/21	2.00	39.85	ND	0.00	21.41	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	05/20/21	2.00	39.85	ND	0.00	21.40	6,872.24	NA	22 - 37	Chinle/Alluvium Interface
	MKTF-41	06/01/21	2.00	39.85	ND	0.00	21.14	6,872.50	NA	22 - 37	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/12/14	MKTF-42	03/11/15	2.00	33.15	ND	0.00	17.97	6,874.98	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	06/09/15	2.00	33.15	ND	0.00	17.60	6,875.35	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	08/21/15	2.00	33.15	ND	0.00	17.44	6,875.51	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	11/05/15	2.00	33.15	ND	0.00	17.26	6,875.69	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	02/24/16	2.00	33.15	ND	0.00	17.69	6,875.26	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	06/09/16	2.00	33.15	ND	0.00	17.30	6,875.65	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	09/09/16	2.00	33.15	ND	0.00	17.30	6,875.65	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	11/05/16	2.00	33.15	ND	0.00	17.26	6,875.69	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	03/07/17	2.00	33.15	ND	0.00	15.72	6,877.23	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	06/06/17	2.00	33.15	ND	0.00	17.12	6,875.83	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	09/25/17	2.00	33.15	ND	0.00	16.83	6,876.12	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	11/27/17	2.00	33.18	ND	0.00	16.81	6,876.14	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	02/07/18	2.00	32.90	ND	0.00	17.41	6,875.54	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	04/25/18	2.00	33.08	ND	0.00	17.13	6,875.82	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	08/15/18	2.00	33.20	ND	0.00	16.77	6,876.18	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	11/14/18	2.00	33.18	ND	0.00	16.94	6,876.01	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	02/13/19	2.00	33.15	ND	0.00	17.18	6,875.77	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	05/07/19	2.00	33.15	ND	0.00	16.68	6,876.27	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	08/22/19	2.00	33.20	ND	0.00	16.40	6,876.55	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	10/23/19	2.00	33.18	ND	0.00	16.52	6,876.43	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	02/26/20	2.00	33.15	ND	0.00	16.79	6,876.16	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	06/30/20	2.00	33.15	ND	0.00	16.25	6,876.70	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	09/14/20	2.00	33.10	ND	0.00	16.35	6,876.60	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	11/10/20	2.00	33.10	ND	0.00	15.30	6,877.65	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	12/04/20	2.00	32.95	ND	0.00	16.41	6,876.54	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	01/28/21	2.00	32.95	ND	0.00	16.85	6,876.10	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	02/27/21	2.00	33.24	ND	0.00	16.83	6,876.12	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	03/31/21	2.00	33.24	ND	0.00	17.17	6,875.78	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	04/26/21	2.00	33.24	ND	0.00	18.91	6,874.04	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	05/20/21	2.00	33.24	ND	0.00	17.10	6,875.85	NA	10 - 30	Chinle/Alluvium Interface
	MKTF-42	06/01/21	2.00	33.24	ND	0.00	17.07	6,875.88	NA	10 - 30	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/11/14	MKTF-43	03/11/15	2.00	15.43	ND	0.00	5.20	6,871.70	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	06/10/15	2.00	15.43	ND	0.00	3.63	6,873.27	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	08/21/15	2.00	15.43	ND	0.00	3.80	6,873.10	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	11/05/15	2.00	15.43	ND	0.00	5.12	6,871.78	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	02/24/16	2.00	15.43	ND	0.00	5.00	6,871.90	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	06/09/16	2.00	15.43	ND	0.00	3.67	6,873.23	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	09/09/16	2.00	15.43	ND	0.00	3.98	6,872.92	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	11/05/16	2.00	15.43	ND	0.00	5.12	6,871.78	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	03/08/17	2.00	15.43	ND	0.00	5.34	6,871.56	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	06/06/17	2.00	15.43	ND	0.00	3.62	6,873.28	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	09/25/17	2.00	15.43	ND	0.00	4.14	6,872.76	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	11/27/17	2.00	15.38	ND	0.00	5.65	6,871.25	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	02/07/18	2.00	15.38	ND	0.00	6.43	6,870.47	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	04/25/18	2.00	15.30	ND	0.00	5.05	6,871.85	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	08/15/18	2.00	15.41	ND	0.00	2.66	6,874.24	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	11/14/18	2.00	15.38	ND	0.00	5.42	6,871.48	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	02/13/19	2.00	15.43	ND	0.00	5.99	6,870.91	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	05/08/19	2.00	15.43	ND	0.00	3.97	6,872.93	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	08/22/19	2.00	15.41	ND	0.00	3.67	6,873.23	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	10/24/19	2.00	15.38	ND	0.00	4.34	6,872.56	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	02/26/20	2.00	15.43	ND	0.00	6.33	6,870.57	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	06/30/20	2.00	15.43	ND	0.00	5.50	6,871.40	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	09/14/20	2.00	16.22	ND	0.00	6.45	6,870.45	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	11/10/20	2.00	16.22	ND	0.00	7.48	6,869.42	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	12/04/20	2.00	16.92	ND	0.00	8.12	6,868.78	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	01/28/21	2.00	16.92	ND	0.00	8.69	6,868.21	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	02/27/21	2.00	16.95	ND	0.00	8.67	6,868.23	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	03/31/21	2.00	16.95	ND	0.00	8.49	6,868.41	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	04/26/21	2.00	16.95	ND	0.00	8.66	6,868.24	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	05/20/21	2.00	16.95	ND	0.00	8.47	6,868.43	NA	2 - 12	Chinle/Alluvium Interface
	MKTF-43	06/01/21	2.00	16.95	ND	0.00	8.61	6,868.29	NA	2 - 12	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
11/11/14	MKTF-44	03/12/15	2.00	51.15	ND	0.00	38.44	6,831.51	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	06/10/15	2.00	51.15	ND	0.00	29.55	6,840.40	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	08/17/15	2.00	51.15	ND	0.00	31.23	6,838.72	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	11/09/15	2.00	51.15	ND	0.00	33.32	6,836.63	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	02/24/16	2.00	51.15	ND	0.00	28.74	6,841.21	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	06/09/16	2.00	51.15	ND	0.00	27.83	6,842.12	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	09/08/16	2.00	51.15	ND	0.00	31.34	6,838.61	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	11/09/16	2.00	51.15	ND	0.00	33.32	6,836.63	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	03/08/17	2.00	51.15	ND	0.00	25.39	6,844.56	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	06/05/17	2.00	51.15	ND	0.00	32.90	6,837.05	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	09/25/17	2.00	51.15	ND	0.00	30.18	6,839.77	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	11/27/17	2.00	51.16	ND	0.00	33.70	6,836.25	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	02/07/18	2.00	51.16	ND	0.00	37.56	6,832.39	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	04/25/18	2.00	51.08	ND	0.00	36.72	6,833.23	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	08/15/18	2.00	51.20	ND	0.00	35.70	6,834.25	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	11/14/18	2.00	51.16	ND	0.00	26.42	6,843.53	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	02/13/19	2.00	51.15	ND	0.00	33.39	6,836.56	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	05/08/19	2.00	51.15	ND	0.00	34.20	6,835.75	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	08/22/19	2.00	51.20	ND	0.00	30.96	6,838.99	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	10/24/19	2.00	51.16	ND	0.00	38.54	6,831.41	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	03/04/20	2.00	51.15	ND	0.00	30.34	6,839.61	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	06/26/20	2.00	51.15	ND	0.00	33.08	6,836.87	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	09/14/20	2.00	51.95	ND	0.00	28.00	6,841.95	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	12/04/20	2.00	51.39	ND	0.00	39.59	6,830.36	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	02/28/21	2.00	51.50	ND	0.00	38.50	6,831.45	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	03/31/21	2.00	51.50	ND	0.00	45.28	6,824.67	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	04/26/21	2.00	51.50	ND	0.00	45.33	6,824.62	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	05/20/21	2.00	51.50	ND	0.00	45.11	6,824.84	NA	38 - 48	Chinle/Alluvium Interface
	MKTF-44	06/01/21	2.00	51.50	ND	0.00	44.28	6,825.67	NA	38 - 48	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom (ft-bmp)	Stratigraphic unit in which screen exists
Pre-existing	MKTF-45	02/10/15	4.00	30.24	13.58	2.94	16.52	6,933.07	6,935.42	Unknown	Chinle/Alluvium Interface
	MKTF-45	03/17/15	4.00	30.24	13.14	1.80	14.94	6,934.65	6,936.09	Unknown	Chinle/Alluvium Interface
	MKTF-45	06/08/15	4.00	30.24	13.20	3.55	16.75	6,932.84	6,935.68	Unknown	Chinle/Alluvium Interface
	MKTF-45	08/18/15	4.00	30.24	13.50	0.11	13.61	6,935.98	6,936.07	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/03/15	4.00	30.24	13.70	0.32	14.02	6,935.57	6,935.83	Unknown	Chinle/Alluvium Interface
	MKTF-45	03/17/16	4.00	30.24	13.14	1.80	14.94	6,934.65	6,936.09	Unknown	Chinle/Alluvium Interface
	MKTF-45	06/10/16	4.00	30.24	12.48	0.32	12.80	6,936.79	6,937.05	Unknown	Chinle/Alluvium Interface
	MKTF-45	09/13/16	4.00	30.24	11.95	0.45	12.40	6,937.19	6,937.55	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/03/16	4.00	30.24	13.70	0.32	14.02	6,935.57	6,935.83	Unknown	Chinle/Alluvium Interface
	MKTF-45	03/01/17	4.00	30.24	10.32	0.31	10.63	6,938.96	6,939.21	Unknown	Chinle/Alluvium Interface
	MKTF-45	06/14/17	4.00	30.24	11.50	0.50	12.00	6,937.59	6,937.99	Unknown	Chinle/Alluvium Interface
	MKTF-45	10/03/17	4.00	30.24	11.48	0.53	12.01	6,937.58	6,938.00	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/30/17	4.00	30.24	12.76	0.47	13.23	6,936.36	6,936.74	Unknown	Chinle/Alluvium Interface
	MKTF-45	02/15/18	4.00	30.24	13.09	0.15	13.24	6,936.35	6,936.47	Unknown	Chinle/Alluvium Interface
	MKTF-45	04/26/18	4.00	30.28	12.87	0.43	13.30	6,936.29	6,936.63	Unknown	Chinle/Alluvium Interface
	MKTF-45	08/16/18	4.00	30.33	13.15	0.43	13.58	6,936.01	6,936.35	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/27/18	4.00	30.24	13.60	0.55	14.15	6,935.44	6,935.88	Unknown	Chinle/Alluvium Interface
	MKTF-45	03/26/19	4.00	30.24	12.00	0.50	12.50	6,937.09	6,937.49	Unknown	Chinle/Alluvium Interface
	MKTF-45	05/14/19	4.00	30.24	12.43	0.59	13.02	6,936.57	6,937.04	Unknown	Chinle/Alluvium Interface
	MKTF-45	08/19/19	4.00	30.33	14.02	0.46	14.48	6,935.11	6,935.48	Unknown	Chinle/Alluvium Interface
	MKTF-45	10/28/19	4.00	30.24	11.97	1.03	13.00	6,936.59	6,937.41	Unknown	Chinle/Alluvium Interface
	MKTF-45	10/29/19	4.00	30.24	11.38	2.37	13.75	6,935.84	6,937.74	Unknown	Chinle/Alluvium Interface
	MKTF-45	10/31/18	4.00	30.24	10.66	6.24	16.90	6,932.69	6,937.68	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/06/19	4.00	30.24	9.57	12.95	22.52	6,927.07	6,937.43	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/07/19	4.00	30.24	9.00	13.25	22.25	6,927.34	6,937.94	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/11/19	4.00	30.24	8.75	14.85	23.60	6,925.99	6,937.87	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/12/19	4.00	30.24	9.62	14.30	23.92	6,925.67	6,937.11	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/13/19	4.00	30.24	9.70	16.23	25.93	6,923.66	6,936.64	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/14/19	4.00	30.24	10.06	15.23	25.29	6,924.30	6,936.48	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/15/19	4.00	30.24	10.28	14.29	24.57	6,925.02	6,936.45	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/19/19	4.00	30.24	10.84	11.91	22.75	6,926.84	6,936.37	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/21/19	4.00	30.24	11.00	10.90	21.90	6,927.69	6,936.41	Unknown	Chinle/Alluvium Interface
	MKTF-45	12/02/19	4.00	30.24	12.38	6.57	18.95	6,930.64	6,935.90	Unknown	Chinle/Alluvium Interface
	MKTF-45	02/03/20	4.00	30.24	9.60	9.02	18.62	6,930.97	6,938.19	Unknown	Chinle/Alluvium Interface
	MKTF-45	06/30/20	4.00	30.24	11.08	8.00	19.08	6,930.51	6,936.91	Unknown	Chinle/Alluvium Interface
	MKTF-45	09/14/20	4.00	37.45	13.14	5.29	18.43	6,931.16	6,935.39	Unknown	Chinle/Alluvium Interface
	MKTF-45	11/10/20	4.00	37.45	12.94	1.82	14.76	6,934.83	6,936.29	Unknown	Chinle/Alluvium Interface
	MKTF-45	12/04/20	4.00	30.45	12.66	1.85	14.51	6,935.08	6,936.56	Unknown	Chinle/Alluvium Interface
	MKTF-45	01/28/21	4.00	30.45	16.00	0.13	16.13	6,933.46	6,933.56	Unknown	Chinle/Alluvium Interface
	MKTF-45	02/27/21	4.00	30.50	13.55	0.01	13.56	6,936.03	6,936.04	Unknown	Chinle/Alluvium Interface
	MKTF-45	03/31/21	4.00	30.50	15.55	0.02	15.57	6,934.02	6,934.04	Unknown	Chinle/Alluvium Interface
	MKTF-45	04/26/21	4.00	30.50	16.34	0.03	16.37	6,933.22	6,933.24	Unknown	Chinle/Alluvium Interface
	MKTF-45	05/20/21	4.00	30.50	15.50	0.51	16.01	6,933.58	6,933.99	Unknown	Chinle/Alluvium Interface
	MKTF-45	06/01/21	4.00	30.50	16.03	0.02	16.05	6,933.54	6,933.56	Unknown	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/12/19	MKTF-46	10/29/19	2.00	21.29	ND	0.00	10.28	6,947.32	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	11/12/19	2.00	21.29	ND	0.00	10.46	6,947.14	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	12/02/19	2.00	21.29	ND	0.00	10.70	6,946.90	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	03/05/20	2.00	18.00	ND	0.00	10.93	6,946.67	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	06/30/20	2.00	18.00	ND	0.00	11.08	6,946.52	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	09/14/20	2.00	25.29	ND	0.00	10.18	6,947.42	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	11/10/20	2.00	25.29	ND	0.00	10.57	6,947.03	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	12/04/20	2.00	21.30	ND	0.00	10.77	6,946.83	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	01/28/21	2.00	21.30	ND	0.00	11.32	6,946.28	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	02/27/21	2.00	21.30	ND	0.00	10.82	6,946.78	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	03/31/21	2.00	21.30	ND	0.00	10.90	6,946.70	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	04/26/21	2.00	21.30	ND	0.00	11.13	6,946.47	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	05/20/21	2.00	21.30	ND	0.00	11.03	6,946.57	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-46	06/01/21	2.00	21.30	ND	0.00	11.09	6,946.51	NA	3 - 18	Chinle/Alluvium Interface
10/14/19	MKTF-47	12/02/19	2.00	14.30	ND	0.00	9.78	6,949.31	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	03/05/20	2.00	14.00	ND	0.00	9.89	6,949.20	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	06/29/20	2.00	14.00	ND	0.00	9.50	6,949.59	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	09/15/20	2.00	14.31	8.53	0.01	8.54	6,950.55	6950.56	4 - 14	Chinle/Alluvium Interface
	MKTF-47	11/10/20	2.00	14.31	ND	0.00	9.33	6,949.76	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	12/04/20	2.00	14.31	9.58	0.01	9.59	6,949.50	6949.51	4 - 14	Chinle/Alluvium Interface
	MKTF-47	01/28/21	2.00	14.31	ND	0.00	9.34	6,949.75	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	02/27/21	2.00	14.30	ND	0.00	9.15	6,949.94	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	03/31/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	04/26/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	05/20/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
	MKTF-47	06/01/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
10/14/19	MKTF-48	12/02/19	2.00	20.92	ND	0.00	11.85	6,949.88	NA	2 - 17	Chinle/Alluvium Interface
	MKTF-48	03/03/20	2.00	18.00	12.66	0.16	12.82	6,948.91	6949.04	2 - 17	Chinle/Alluvium Interface
	MKTF-48	06/29/20	2.00	18.00	ND	0.00	11.58	6,950.15	NA	2 - 17	Chinle/Alluvium Interface
	MKTF-48	09/15/20	2.00	19.91	11.85	0.01	11.86	6,949.87	6949.88	2 - 17	Chinle/Alluvium Interface
	MKTF-48	11/10/20	2.00	19.91	12.40	0.11	12.51	6,949.22	6949.31	2 - 17	Chinle/Alluvium Interface
	MKTF-48	12/04/20	2.00	20.94	12.77	0.33	13.10	6,948.63	6948.89	2 - 17	Chinle/Alluvium Interface
	MKTF-48	01/28/21	2.00	21.97	12.19	0.01	12.20	6,949.53	6949.54	2 - 17	Chinle/Alluvium Interface
	MKTF-48	02/27/21	2.00	20.95	12.19	0.06	12.25	6,949.48	6949.53	2 - 17	Chinle/Alluvium Interface
	MKTF-48	03/31/21	2.00	20.95	12.41	0.24	12.65	6,949.08	6949.27	2 - 17	Chinle/Alluvium Interface
	MKTF-48	04/26/21	2.00	20.95	13.71	0.24	13.95	6,947.78	6947.97	2 - 17	Chinle/Alluvium Interface
	MKTF-48	05/20/21	2.00	20.95	12.38	0.14	12.52	6,949.21	6949.32	2 - 17	Chinle/Alluvium Interface
	MKTF-48	06/01/21	2.00	20.95	12.64	0.24	12.88	6,948.85	6949.04	2 - 17	Chinle/Alluvium Interface

**APPENDIX A. HISTORICAL DTB/DTW MEASUREMENTS FOR WELLS MKTF-01 THRU MKTF-50
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft-msl)	Screened Interval Depth Top to Bottom ft-bmp)	Stratigraphic unit in which screen exists
10/15/19	MKTF-49	12/03/19	2.00	24.90	ND	0.00	19.90	6,926.86	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	03/04/20	2.00	28.00	ND	0.00	20.27	6,926.49	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	06/30/20	2.00	28.00	ND	0.00	20.65	6,926.11	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	09/15/20	2.00	24.96	ND	0.00	20.33	6,926.43	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	11/10/20	2.00	24.96	ND	0.00	20.75	6,926.01	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	12/04/20	2.00	24.97	ND	0.00	20.81	6,925.95	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	01/28/21	2.00	24.98	ND	0.00	21.05	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	02/28/21	2.00	25.02	ND	0.00	21.05	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	03/31/21	2.00	25.02	ND	0.00	21.15	6,925.61	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	04/26/21	2.00	25.02	ND	0.00	20.11	6,926.65	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	05/20/21	2.00	25.02	ND	0.00	21.21	6,925.55	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	06/01/21	2.00	25.02	ND	0.00	20.92	6,925.84	NA	5 - 25	Chinle/Alluvium Interface
	MKTF-49	06/16/21	2.00	25.02	21.40	0.68	22.08	6,924.68	6925.22	5 - 25	Chinle/Alluvium Interface
10/16/19	MKTF-50	12/03/19	2.00	21.65	ND	0.00	15.61	6,927.21	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	03/04/20	2.00	26.00	ND	0.00	15.87	6,926.95	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	06/30/20	2.00	26.00	ND	0.00	16.00	6,926.82	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	09/15/20	2.00	22.64	15.36	0.01	15.37	6,927.45	6927.46	3 - 18	Chinle/Alluvium Interface
	MKTF-50	11/10/20	2.00	22.64	ND	0.00	16.03	6,926.79	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	12/04/20	2.00	21.63	ND	0.00	16.17	6,926.65	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	01/28/21	2.00	20.62	ND	0.00	16.43	6,926.39	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	02/28/21	2.00	21.70	ND	0.00	16.38	6,926.44	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	03/31/21	2.00	21.70	ND	0.00	16.48	6,926.34	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	04/26/21	2.00	21.70	ND	0.00	16.19	6,926.63	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	05/20/21	2.00	21.70	ND	0.00	16.47	6,926.35	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	06/01/21	2.00	21.70	ND	0.00	16.66	6,926.16	NA	3 - 18	Chinle/Alluvium Interface
	MKTF-50	06/16/21	2.00	21.70	16.68	0.17	16.85	6,925.97	6926.11	3 - 18	Chinle/Alluvium Interface

Definitions:

DTB - Depth to Bottom

DTW - Depth to Water

SPH = Separate Phase Hydrocarbons

NA = Not Applicable

Negative number in Stick up Length column indicates well is flushmount and located at or below ground level.

Depth to Water Column - if 0.00 is indicated - means water is at top of casing (full) under artesian flow conditions.

Dry indicates no water was detected.

Notes:

1. Corrected Water Table Elevation applies only if SPH thickness column measurement exists. (0.8 X SPH thickness + Groundwater Elevation)

11/29/18 - Not able to locate well to gauge or sample.



MRLS Revised Investigation Work Plan No. 2

Appendix B - Analytical Results

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.005	1	0.7	0.62	0.1
40 CFR 141.61 MCL			0.005	1	0.7	10	NE
NMED Tap Water (MAR 2019)			0.00455	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2018)			0.00046	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
MKTf-1	02/24/16	8260B	9.5	1.8	0.85	1	0.33
	11/04/15	8260B	10	1.4	0.79	1.2	0.39
	08/21/15	8260B	9.1	1	0.7	0.87	0.44
	06/09/15	8260B	9.3	1.5	0.74	1.8	0.41
	03/11/15	8260B	9.3	2	0.74	1.9	0.37
	06/06/14	8260B	8.7	7.1	0.92	4.3	0.42
MKTf-2	11/28/18	8260B	5.5	0.082	0.51	0.17	0.099
	08/20/18	8260B	2.5	0.031	0.14	0.031	0.1
	05/01/18	8260B	2.9	0.039	0.24	0.12	0.097
	02/06/18	8260B	2.6	0.049	0.25	0.089	0.11
	11/20/17	8260B	2.9	0.05	0.28	0.069	0.13
	10/03/17	8260B	2.7	0.028	0.15	0.037	0.13
MKTf-4	03/16/17	8260B	4	0.056	0.51	0.23	0.15
	11/20/18	8260B	1.1	0.011	0.61	0.65	2.2
	09/04/18	8260B	1.1	0.014	0.7	0.86	1.8
	05/02/18	8260B	1.1	0.016	0.74	0.89	2.3
	02/14/18	8260B	0.9	0.014	0.6	0.71	2
	11/28/17	8260B	1.2	0.019	0.82	1.1	2.3
MKTf-9	09/26/17	8260B	1.1	0.019	0.82	1.1	2.3
	06/08/17	8260B	0.92	0.016	0.59	0.89	2
	03/02/17	8260B	0.98	0.015	0.68	0.88	2.5
	11/28/18	8260B	3.3	0.02	0.19	0.073	0.56
	09/04/18	8260B	2.7	0.019	0.25	0.084	0.43
	05/02/18	8260B	2.8	0.025	0.28	0.098	0.49
MKTf-10	02/14/18	8206B	2.7	0.024	0.25	0.084	0.48
	11/28/17	8260B	3.2	0.027	0.26	0.086	0.51
	09/28/17	8260B	3	0.03	0.3	0.097	0.53
	06/12/17	8260B	3	0.032	0.3	0.086	0.68
	03/15/17	8260B	2.4	0.032	0.3	0.083	0.61
	11/20/18	8260B	11	1.9	1.9	8	0.01
MKTf-11	09/04/18	8260B	10	2.4	1.8	8.1	<0.05
	05/02/18	8260B	13	4.9	2.1	9.6	0.03
	02/14/18	8260B	10	3.7	1.8	8.3	0.014
	11/28/17	8260B	9.8	4.7	1.8	8.3	0.035
	09/28/17	8260B	9.5	8.8	1.8	8.7	<0.1
	06/08/17	8260b	12	20	1.8	8.2	<0.1
MKTf-13	03/02/17	8260B	18	21	1.6	7.8	0.028
	11/20/18	8260B	11	4.7	0.47	2.5	0.071
	09/04/18	8260B	10	5.7	0.81	2.5	0.064
	05/02/18	8260B	13	12	1.2	3.8	0.5
	02/08/18	8260B	13	12	1	3.1	0.059
	11/28/17	8260B	9.9	8.8	0.84	2.6	0.068
MKTf-15	09/26/17	8260B	10	10	0.81	2.8	0.054
	06/08/17	8260B	4.5	4.7	0.47	1.5	0.05
	03/02/17	8260B	3.9	3.4	0.59	1.6	0.065
	11/28/18	8260B	4.5	0.13	0.53	2.8	1.4
	08/30/18	8260B	3.5	0.12	0.65	3.2	1.2
	05/10/18	8260B	4.8	0.15	0.87	4	2
MKTf-16	03/15/17	8260B	3	0.21	0.87	4	2.3
	11/19/18	--	SPH Detected - No samples were collected.				
	08/28/18	8260B	17	4.6	1.8	5.8	0.14
	05/02/18	8260B	16	11	2.4	7.9	0.18
	02/08/18	--	SPH Detected - No samples were collected.				
	11/28/17	8260B	18	15	2.2	7.7	0.16
MKTf-17	09/26/17	--	SPH Detected - No samples were collected.				
	06/08/17	8260B	23	22	2.6	8.7	0.13
	03/02/17	8260B	24	17	2.1	7.7	0.16
	11/29/18	8260B	17	0.12	0.89	0.72	0.69
	08/31/18	8260B	17	0.13	1.3	1.4	0.64
	05/11/18	8260B	19	0.17	1.6	2	0.64
MKTf-18	02/15/18	8260B	1.8	0.024	0.015	0.23	0.04
	11/29/17	8260B	21	0.21	1.4	3.2	0.8
	09/26/17	8260B	23	0.24	1.6	3.9	0.92
	06/08/17	8260B	19	0.22	0.71	2.8	0.82
	03/14/17	8260B	22	0.34	1.7	4.9	0.72
	11/28/18	8260B	0.0036	<0.005	0.025	<0.0075	5.7
MKTf-19	08/24/18	8260B	0.0027	<0.005	0.12	<0.0075	5.3
	05/04/18	8260B	0.047	0.0011	0.14	0.002	7.4
	02/16/18	8260B	0.22	0.00098	0.21	<0.0075	4.9
	12/01/17	8260B	0.14	0.0008	0.17	<0.0075	1.5
	09/26/17	8260B	0.047	0.0011	0.68	<0.0075	0.94
	06/14/17	8260B	0.26	0.0017	0.58	0.0048	0.39
MKTf-20	03/15/17	8260B	0.29	0.0022	0.23	0.07	0.28
	11/28/18	8260B	0.0009	<0.002	<0.002	<0.003	0.13
	08/24/18	8260B	0.19	<0.002	0.011	<0.003	0.11
	05/04/18	8260B	0.11	<0.002	0.014	0.00073	0.14
	02/16/18	8260B	0.13	0.00033	0.021	<0.003	0.16
	06/14/17	8260B	0.03	<0.002	0.022	<0.003	0.1
MKTf-21	03/01/17	8260B	0.027	0.00033	0.026	0.00085	0.093

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.005	1	0.7	0.62	0.1
40 CFR 141.61 MCL			0.005	1	0.7	10	NE
NMED Tap Water (MAR 2019)			0.00455	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2018)			0.00046	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
MKTf-19	11/28/18	8260B	1.9	<0.02	0.63	0.57	10
	08/24/18	8260B	1.7	0.0043	0.71	0.74	9.7
	05/04/18	8260B	2	0.0057	0.87	0.82	11
	02/16/18	8260B	1.9	0.0037	0.74	0.64	10
	12/01/17	8260B	1.9	0.0059	0.75	0.75	11
	09/26/17	8260B	3.2	0.014	0.8	0.87	12
	06/14/17	8260B	2.3	0.0084	0.78	0.9	10
MKTf-20 ¹	03/15/17	8260B	1.8	0.0098	0.6	0.92	9
	11/29/18	8260B	3	0.02	0.12	2.5	0.026
	08/31/18	8260B	9.9	0.064	0.77	9.1	0.096
	05/11/18	8260B	13	0.14	1.3	13	0.13
	02/15/18	8260B	12	0.19	0.96	12	0.055
	11/29/17	8260B	17	0.24	0.8	11	0.1
	09/26/17	8260B	16	0.34	0.58	11	0.17
MKTf-21 ¹	06/12/17	8260B	21	3.5	0.7	14	0.16
	03/14/17	8260B	17	2.2	0.26	9.8	0.23
	11/29/18	8260B	2	<0.02	0.11	0.14	0.22
	08/31/18	8260B	5.9	0.013	0.8	0.99	0.5
	05/11/18	8260B	4.8	0.0074	0.47	0.67	0.52
	02/15/18	8260B	3.4	0.0035	0.31	0.39	0.39
	11/28/17	8260B	4.9	0.018	0.52	1.4	0.52
MKTf-22	09/26/17	8260B	6.3	0.016	0.61	0.83	0.63
	06/21/17	8260B	10	0.041	0.69	2.6	1.2
	03/14/17	8260B	8	0.038	0.46	2	0.61
	11/28/18	8260B	3	0.0084	0.17	<0.03	6
	08/30/18	8260B	2.2	0.0056	0.12	<0.03	5.4
	05/10/18	8206B	2.5	0.0088	0.15	0.014	5.9
	02/08/18	8260B	2.3	0.0093	0.14	0.018	5.7
MKTf-23	11/28/17	8260B	2.5	0.013	0.18	0.025	6
	10/03/17	8260B	2.4	0.018	0.28	0.037	4.9
	06/08/17	8260B	2.9	0.014	0.18	0.022	5.9
	03/08/17	8260B	3.5	0.03	0.42	0.046	6.5
	06/10/16	8260B	3.2	0.98	0.3	6.1	1.4
	02/25/16	8260B	3.1	1.2	0.31	6.7	1.6
	11/09/15	8260B	2.6	3	0.57	7.8	1.4
MKTf-24	08/21/15	8260B	3	2.7	0.42	6.2	1.2
	06/09/15	8260B	2.9	3	0.51	6.5	1.1
	03/12/15	8260B	3.3	4.8	0.6	8.1	1.1
	11/17/14	8260B	3.6	3	0.47	4.5	0.57
	09/23/14	8260B	2.7	1.4	0.34	1.6	0.48
	04/10/14	--	SPH Detected - No samples were collected.				
	11/05/13	8021B	0.92	1	0.23	0.66	NA
MKTf-25	11/15/18	8260B	4.8	0.021	0.2	<0.03	0.12
	08/20/18	8260B	4.8	0.025	0.32	<0.03	0.12
	05/01/18	8260B	5.5	0.029	0.3	0.0065	0.13
	02/06/18	8260B	6.3	0.03	0.41	0.015	0.17
	11/20/17	8260B	5.5	0.023	0.32	0.018	0.16
	10/03/17	8260B	2.6	0.019	0.071	<0.03	0.16
	06/05/17	8260B	6	0.024	0.3	0.0083	0.2
MKTf-26	03/29/17	8260B	3	0.015	0.042	<0.03	0.19
	11/15/18	8260B	1.7	0.0059	0.0029	<0.015	0.2
	08/17/18	8260B	4.5	0.017	0.026	<0.015	0.25
	05/06/18	8260B	3.4	0.015	0.15	0.009	0.26
	02/05/18	8260B	2	0.01	0.11	0.003	0.25
	11/21/17	8260B	1.6	0.011	0.14	0.013	0.2
	09/25/17	8260B	1.6	0.01	0.13	0.014	0.23
MKTf-27	06/05/17	8260B	0.62	0.0028	0.021	0.003	0.12
	03/29/17	8260B	0.78	0.0045	0.024	0.0043	0.12
	06/09/16	8260B	0.33	0.019	0.0036	0.0077	0.082
	02/22/16	8260B	0.15	0.0014	<0.005	<0.0075	0.055
	11/04/15	8260B	0.76	0.0072	0.0069	<0.0075	0.094
	08/20/15	8260B	0.38	0.005	<0.005	<0.0075	0.065
	06/10/15	8260B	0.8	0.0087	0.0069	<0.0075	0.079
MKTf-28	03/11/15	8260B	0.8	0.0078	0.0071	<0.0075	0.099
	11/14/14	8260B	0.97	0.011	<0.005	<0.0075	0.094
	09/24/14	8260B	1.6	0.019	0.012	0.0016	0.084
	04/08/14	8260B	0.017	<0.001	<0.001	<0.0015	0.049
	11/01/13	8021B	0.57	0.008	0.15	0.002	NA
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.021
	08/20/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.014
MKTf-29	05/01/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.025
	02/06/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.018
	11/20/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.023
	10/03/17	8260B	0.00013	<0.001	<0.001	<0.0015	0.025
	06/05/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.031
	03/29/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.022

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.005	1	0.7	0.62	0.1
40 CFR 141.61 MCL			0.005	1	0.7	10	NE
NMED Tap Water (MAR 2019)			0.00455	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2018)			0.00046	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
MKTf-28	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0028
	08/20/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.008
	05/01/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0094
	02/06/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.00074
	11/20/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0033
	10/03/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00035
	06/05/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00044
MKTf-29	03/29/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00097
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.001	0.0037
	08/20/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0047
	05/01/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0073
	02/06/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	11/20/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0095
	10/03/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0072
MKTf-30	06/05/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0058
	03/29/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0094
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0021
	08/20/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0018
	05/01/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.0018
	02/06/18	8260B	0.00022	<0.001	<0.001	<0.0015	0.0028
	11/20/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0014
MKTf-31	10/03/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0011
	06/05/17	8260B	<0.002	<0.002	<0.002	<0.003	0.002
	03/29/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0028
	11/15/18	8260B	0.0011	<0.001	<0.001	<0.0015	0.088
	08/17/18	8260B	0.00073	<0.001	<0.001	<0.0015	0.088
	05/06/18	8260B	0.00099	<0.001	<0.001	<0.0015	0.11
	02/05/18	8260B	0.0013	<0.001	<0.001	<0.0015	0.085
MKTf-32	11/21/17	8260B	0.00062	<0.001	<0.001	<0.0015	0.066
	09/25/17	8260B	0.00085	<0.001	<0.001	<0.0015	0.076
	06/05/17	8260B	0.00066	<0.001	<0.001	<0.0015	0.072
	03/07/17	8260B	0.00062	<0.001	<0.001	<0.0015	0.074
	11/15/18	8260B	<0.002	<0.002	<0.002	<0.003	0.81
	08/28/18	8206B	0.00076	<0.002	<0.002	<0.003	0.78
	05/09/18	8260B	0.0004	<0.001	<0.001	<0.0015	0.82
MKTf-33	02/07/18	8260B	0.00049	<0.001	<0.001	<0.0015	0.74
	11/27/17	8260B	0.00028	<0.001	<0.001	<0.0015	0.6
	09/25/17	8260B	0.00038	<0.001	<0.001	<0.0015	0.69
	06/06/17	8260B	0.00042	<0.001	<0.001	<0.0015	0.64
	03/07/17	8260B	0.00045	<0.001	<0.001	<0.0015	0.66
	11/28/18	8260B	<0.002	<0.002	<0.002	<0.003	0.45
	08/30/18	8260B	<0.001	<0.001	<0.001	<0.003	0.58
MKTf-34	05/10/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.57
	02/08/18	8260B	<0.001	<0.001	<0.001	0.00055	0.41
	11/28/17	8260B	0.00011	<0.001	<0.001	<0.0015	0.53
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.25
	06/08/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.22
	03/08/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.23
	11/28/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.001
MKTf-35	08/24/18	8260B	0.00024	<0.001	<0.001	<0.0015	0.00087
	05/04/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.00087
	02/16/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.00066
	12/01/17	8260B	0.000096	<0.001	<0.001	<0.0015	0.00075
	09/26/17	8260B	0.0003	<0.001	0.00014	<0.0015	0.00078
	06/14/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00038
	03/01/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00058
MKTf-36	11/28/18	8260B	0.019	0.00017	0.0012	<0.0015	0.077
	08/23/18	8260B	0.011	<0.001	0.00068	<0.0015	0.063
	05/03/18	8260B	0.0099	<0.001	0.00074	<0.0015	0.056
	02/18/18	8260B	0.0024	0.0034	0.00038	<0.0015	0.078
	11/30/17	8260B	0.0015	0.0001	0.00029	<0.0015	0.11
	09/27/17	8260B	0.0015	<0.001	0.00015	<0.0015	0.077
	06/14/17	8260B	0.0023	<0.001	0.0011	<0.0015	0.033
MKTf-37	03/01/17	8260B	0.053	0.00011	0.0027	<0.0015	0.0079
	11/29/18	--	Could not locate well - No samples were collected.				
	09/05/18	8260B	7.4	0.019	1.5	0.11	1.3
	05/03/18	8260B	9.4	0.03	1.9	0.19	2.1
	02/15/18	8260B	8.4	0.02	1.5	0.16	2.5
	11/30/17	8260B	9.5	0.03	1.7	0.22	2.9
	09/27/17	8260B	9.1	0.023	1.6	0.067	2.3
MKTf-38	06/14/17	8260B	9.4	0.017	1.6	0.27	3.9
	03/01/17	8260B	8.6	0.013	1.4	0.032	8
	11/27/18	--	SPH Detected - No samples were collected.				
	08/23/18	8260B	1.3	0.014	0.036	0.37	0.037
	05/03/18	8260B	2.1	0.05	0.078	0.58	0.041
	02/15/18	--	SPH Detected - No samples were collected.				
	11/30/17	--	SPH Detected - No samples were collected.				
MKTf-39	09/27/17	--	SPH Detected - No samples were collected.				
	06/14/17	--	SPH Detected - No samples were collected.				
	03/01/17	8260B	2	0.18	0.024	0.96	0.032
	11/20/18	8260B	0.0012	0.053	0.00023	0.00077	0.00066
	08/21/18	8260B	<0.001	<0.001	<0.001	<0.0015	0.00036
	05/03/18	8260B	0.0003	<0.001	<0.001	<0.0015	0.00078
	02/12/18	8260B	0.00018	0.00019	0.00013	0.00057	0.001
MKTf-40	11/30/17	8260B	0.0012	0.000074	<0.001	<0.0015	0.001
	09/28/17	8260B	0.002	<0.001	<0.001	<0.0015	0.00049
	06/21/17	8260B	0.00079	<0.001	<0.001	<0.0015	0.00068

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.005	1	0.7	0.62	0.1
40 CFR 141.61 MCL			0.005	1	0.7	10	NE
NMED Tap Water (MAR 2019)			0.00455	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2018)			0.00046	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
MKTf-39	03/14/17	8260B	0.00017	<0.001	<0.001	<0.0015	0.00048
	11/20/18	8260B	0.0084	0.00065	0.03	0.0039	<0.001
	08/21/18	8260B	0.0083	<0.001	0.045	<0.0015	<0.001
	05/06/18	8260B	0.012	<0.005	0.056	<0.0075	<0.005
	02/08/18	8260B	0.013	0.0024	0.048	<0.0075	<0.005
	11/28/17	8260B	0.013	<0.005	0.05	<0.0075	<0.005
	09/28/17	8260B	0.01	<0.005	0.049	<0.0075	<0.005
	06/08/17	8260B	0.012	<0.005	0.057	<0.0075	<0.005
MKTf-40	03/14/17	8260B	0.012	<0.005	0.063	<0.0075	<0.005
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	08/17/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	05/06/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	02/08/18	8260B	0.00019	<0.001	<0.001	<0.0015	0.00053
	11/21/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00046
	06/05/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00046
MKTf-41	03/07/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00041
	11/15/18	8260B	<0.001	<0.001	<0.001	0.0012	0.0014
	08/29/18	8260B	<0.001	<0.001	<0.001	0.00082	0.0011
	05/09/18	8260B	<0.001	<0.001	<0.001	0.00047	0.0016
	02/07/18	8260B	<0.001	<0.001	<0.001	0.00036	0.0014
	11/27/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.00081
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0012
	06/06/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0012
MKTf-42	03/07/17	8260B	<0.001	<0.001	<0.001	<0.0015	0.0012
	11/15/18	8260B	0.03	0.0021	0.0087	0.11	0.005
	08/29/18	8260b	0.011	0.0007	0.0018	0.032	0.0043
	05/09/18	8260B	0.0093	0.00076	0.0016	0.031	0.0038
	02/07/18	8260B	0.0084	0.00056	0.0015	0.032	0.0033
	11/27/17	8260B	0.0071	0.0008	0.0026	0.037	0.002
	09/25/17	8260B	0.0093	0.00098	0.0039	0.046	0.002
	06/06/17	8260B	0.0049	0.00037	0.0011	0.021	0.0014
MKTf-43	03/07/17	8260B	0.0049	0.00044	0.0011	0.024	0.0011
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	08/30/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	05/09/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	02/07/18	8260B	0.00018	<0.001	<0.001	<0.0015	<0.001
	11/27/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	06/06/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MKTf-44	03/08/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/15/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	08/30/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	05/10/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	02/08/18	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/28/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	06/05/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MKTf-44	03/08/17	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.61 Maximum Contaminant Levels for Organic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1

EPA Regional Screening Level (RSL) Summary Table

NOTES

MKTf-13 and MKTf-15 - 1st Quarter - had hydrocarbon layer - not sampled.

MKTf-15 - had hydrocarbon layer -4th Quarter - no samples collected.

MKTf-36 - Was not able to locate well at Truck Loading Rack for the 4th Qtr 2018.

MKTf-37 - Hydrocarbon layer, sheen detected in 4th Qtr 2018.

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS																																					
			1,2,4- Trimethyl benzene (mg/L)	1,3,5- Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	1,2-Dibro moethane (EDB) (mg/L)	Naphtha- lene (mg/L)	1-Methyl naphtha- lene (mg/L)	2-Methyl naphtha-lene (mg/L)	Acetone (mg/L)	Bromo methane (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	Chloro benzene (mg/L)	Chloro- ethane (mg/L)	Chloro- form (mg/L)	Chloro- methane (mg/L)	cis-1,2- DCE (mg/L)	1,2-Dichloro benzene (mg/L)	1,4-Dichloro benzene (mg/L)	1,1- Dichloro ethane (mg/L)	1,1-Dichloro ethene (mg/L)	1,2- Dichloro propane (mg/L)	2-Hexanone (mg/L)	Isopropyl benzene (mg/L)	4- Isopropyl toluene (mg/L)	4-Methyl-2 pen- tanone (mg/L)	Methylene Chloride (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Styrene (mg/L)	tert-Butyl benzene (mg/L)	Tetra-chloro ethene (PCE) (mg/L)	1,2,4- Trichloro- benzene (mg/L)	1,1,1- Trichloro ethane (mg/L)	1,1,2- Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)		
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	0.005	0.00005	0.03	NE	NE	NE	NE	NE	NE	0.1	NE	0.07	0.6	0.075	0.025	0.007	0.005	NE	NE	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002	
40 CFR 141.61 MCL			NE	NE	0.005	0.00005	NE	NE	NE	NE	NE	NE	0.1	NE	NE	0.07	NE	0.075	NE	0.007	0.005	NE	NE	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002	
NMED Tap Water (MAR 2019)			NE	NE	0.0017	0.0000747	0.00165	0.0114	0.035	14.06	0.00754	5.56	0.0776	20.86	0.00229	0.0203	0.0365	NE	0.0048	0.0275	0.284	0.00437	NE	0.447	NE	1.24	0.106	NE	NE	NE	1.21	NE	NE	0.00398	8	0.000415	0.00259	0.00032		
EPA RSL for Tap Water (NOV 2018)			0.056	0.06	0.013	0.0000075	0.00017	0.0011	0.036	14	0.0075	5.6	0.078	21	0.00022	0.19	0.036	0.3	0.00048	0.0028	0.28	0.00085	0.038	0.45	NE	6.3	0.011	1	0.66	2	1.2	0.69	0.011	0.0012	8	0.00028	0.00049	0.000019		
WELL ID	DATE SAMPLED	METHOD																																						
MKTF-1	09/07/16	8260B/8011/504.1/EDB	0.039	<0.01	0.0039	0.017	0.01	0.012	<0.04	0.01		0.0036					0.015			0.048	0.019			0.012	<0.01	0.00098	<0.003	<0.03	0.025	0.0032	0.00059		0.00028		0.00061	<0.001	0.0025	0.0011		
	02/24/16	8260B	0.66	0.03	0.0091	<0.05	0.11	0.067	0.035	0.16		<0.5					0.026			0.06	0.025			0.046	<0.05		0.016	0.022	0.16	0.0082	<0.5		<0.05		<0.05	<0.05	<0.05	0.022		
	11/04/15	8260B	0.71	0.054	<0.005		0.091	0.062	0.032	<0.05		<0.05					0.037			0.074	0.046			0.047	<0.005			<0.015	0.1	0.0084		<0.05		<0.005	<0.005	<0.005	<0.012			
	08/21/15	8260B	0.65	0.057	<0.005		0.081	0.044	<0.02	<0.05		<0.05					0.042			0.065	0.051			0.045	<0.005			0.019	0.13	0.011		<0.005		<0.005	<0.005	<0.005	<0.005			
	06/09/15	8260B	0.67	0.13	<0.05		<0.1	<0.2	<0.2	<0.5		<0.5					<0.05			0.056	<0.05			<0.05	<0.05			<0.15	0.11	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05			
MKTF-2	03/11/15	8260B	0.59	0.1	<0.05		<0.1	<0.2	<0.2	<0.5		<0.5					<0.05			0.066	0.058			<0.05	<0.05			<0.15	0.11	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05			
	11/28/18	8260B/8011/504.1/EDB	0.46	0.022	<0.01	<0.0000095	0.042	0.025	0.0045	<0.1		<0.1	0.0099				0.0086	<0.01	0.044	0.007			<0.1	0.027	0.0029	<0.1	<0.03	0.0095	0.096	0.0059	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.028		
	08/20/18	8260B/8011/504.1/EDB	0.06	<0.01	0.0078	0.0000053	0.0055	0.0034	<0.04	<0.1		<0.1					0.0099	<0.01	0.042	0.024			<0.1	0.0074	<0.01	<0.1	<0.03	<0.03	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0071		
	05/01/18	8260B	0.2	0.0092	0.0048	<0.01	0.023	0.016	<0.04	<0.1		<0.1					0.016	<0.01	0.033	0.011			<0.1	0.015	0.0011	<0.1	<0.03	<0.04	0.045	0.0024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0016	0.0018	0.0063
	02/06/18	8260B/8011/504.1/EDB	0.18	0.005	<0.005	0.015	0.022	0.02	0.0028	<0.05		<0.05					0.014	<0.005	0.041	0.018			<0.05	0.014	0.0014	<0.05	<0.015	0.0038	0.038	0.0022	<0.005	<0.005	<0.005	<0.005	0.003	0.0037				
MKTF-4	11/20/17	8260B	0.2	0.003	0.0033	<0.005	0.027	0.031	0.0015	0.0074		<0.05					0.016	<0.005	0.047	0.021			<0.05	0.021	0.0011	<0.05	<0.015	0.0049	0.059	0.0027	<0.005	<0.005	<0.005	0.00095	0.0024	0.0039				
	10/03/17	8260B	0.053	<0.005	0.0035	<0.005	0.0067	0.0095	<0.02	<0.05		<0.05					0.017	<0.005	0.045	0.021			<0.05	0.017	0.00088	<0.05	0.0018	0.0045	0.047	0.0021	<0.005	<0.005	<0.005	<0.005	0.0019	0.0051				
	03/16/17	8260B/8011/504.1/EDB	0.36	0.024	<0.01	<0.01	0.044	0.031	0.0058	0.016		<0.1					0.024	<0.01	0.062	0.026			<0.1	0.033	0.0026	<0.1	<0.03	0.0091	0.096	0.0052	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0042	0.0051		
	11/20/18	8260B/8011/504.1/EDB	0.46	0.073	<0.002	<0.0000094	0.32	0.18	0.17	0.02		<0.02	0.00044				0.0071		0.011	0.017			<0.02	0.02	0.0039			0.0061	0.049	0.0037	0.00096	<0.02	<0.02	<0.002	<0.002	0.0015	<0.002			
	09/04/18	8260B/8011/504.1/EDB	0.48	0.093	0.0043	<0.0000094	0.36	0.19	0.2	0.049		<0.1					0.008		0.0074	0.0077			<0.1	0.027	0.004			0.011	0.068	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-9	05/02/18	8260B	0.52	0.086	<0.01	<0.01	0.32	0.19	0.17	<0.1		<0.1					0.0095		0.014	0.02			<0.1	0.027	0.0048			0.0078	0.058	0.0047	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	02/14/18	8260B	0.42	0.068	<0.01	<0.01	0.26	0.14	0.12	<0.1		<0.1					0.011		0.0084	0.012			<0.1	0.023	0.0039			0.0093	0.048	0.0028	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/28/17	8260B	0.58	0.11	<0.005	<0.005	0.42	0.25	0.26	0.016		<0.05					0.0061		0.0057	0.0087			<0.05	0.029	0.0055			0.01	0.073	0.006	0.0017	0.00072	<0.005	<0.005	<0.0022	<0.005	<0.005			
	09/26/17	8260B	0.57	0.11	<0.005	<0.005	0.45	0.26	0.26	<0.05		<0.05					0.0052		0.0034	0.0058			<0.05	0.03	0.005			0.01	0.077	0.0058	0.0014	<0.005	<0.005	<0.005	<0.005	0.0013	<0.005			

Table 2
Groundwater Analyses Summary

STANDARDS			1,2,4- Trimethyl benzene (mg/L)	1,3,5- Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	1,2-Dibro moethane (EDB) (mg/L)	Naphtha- lene (mg/L)	1-Methyl naphtha- lene (mg/L)	2-Methyl naphtha-lene (mg/L)	Acetone (mg/L)	Bromo methane (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	Chloro benzene (mg/L)	Chloro- ethane (mg/L)	Chloro- form (mg/L)	Chloro- methane (mg/L)	cis-1,2- DCE (mg/L)	1,2-Dichloro benzene (mg/L)	1,4-Dichloro benzene (mg/L)	1,1- Dichloro ethane (mg/L)	1,1-Dichloro ethene (mg/L)	1,2- Dichloro propane (mg/L)	2-Hexanone (mg/L)	Isopropyl benzene (mg/L)	4- Isopropyl toluene (mg/L)	4-Methyl-2 pen- tanone (mg/L)	Methylene Chloride (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Styrene (mg/L)	tert-Butyl benzene (mg/L)	Tetra-chloro ethene (PCE) (mg/L)	1,2,4- Trichloro- benzene (mg/L)	1,1,1- Trichloro ethane (mg/L)	1,1,2- Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)	
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	0.005	0.00005	0.03	NE	NE	NE	NE	NE	NE	NE	0.1	NE	0.07	0.6	0.075	0.025	0.007	0.005	NE	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002
40 CFR 141.61 MCL			NE	NE	0.005	0.00005	NE	NE	NE	NE	NE	NE	0.1	NE	NE	NE	0.07	NE	0.075	NE	0.007	0.005	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002	
NMED Tap Water (MAR 2019)			NE	NE	0.0017	0.0000747	0.00165	0.0114	0.035	14.06	0.00754	5.56	0.0776	20.86	0.00229	0.0203	0.0365	NE	0.0048	0.0275	0.284	0.00437	NE	0.447	NE	1.24	0.106	NE	NE	NE	1.21	NE	NE	0.00398	8	0.000415	0.00259	0.00032	
EPA RSL for Tap Water (NOV 2018)			0.056	0.06	0.013	0.0000075	0.00017	0.0011	0.036	14	0.0075	5.6	0.078	21	0.00022	0.19	0.036	0.3	0.00048	0.0028	0.28	0.00085	0.038	0.45	NE	6.3	0.011	1	0.66	2	1.2	0.69	0.011	0.0012	8	0.00028	0.00049	0.00019	
WELL ID	DATE SAMPLED	METHOD																																					
MKTF-20	11/29/18	8260B	0.53	0.22	<0.01	<0.01	0.073	0.013	0.014	<0.1		<0.1					<0.01		<0.1	<0.1	<0.1		<1	0.0037	<0.01	<0.1	<0.03	<0.03	0.0081	<0.01			<0.01		<0.01	<0.01	<0.01	<0.01	
	08/31/18	8260B	1.4	0.43	<0.1	<0.1	0.29	0.05	0.057	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	<0.1	<0.1	0.05	<0.3	<0.3	0.063	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
	05/11/18	8260B	1.6	0.47	<0.05	<0.05	0.33	0.053	0.065	<0.5		<0.5					<0.1		<0.05	<0.05			<0.5	0.021	<0.05		<0.15	0.015	0.064	0.0075			<0.05		<0.05	<0.05	<0.05	<0.05	
	02/15/18	8260B	1.3	0.36	<0.1	<0.1	0.24	0.063	0.066	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	0.013	<0.1		<0.3	0.025	0.052	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
	11/29/17	8260B	1.4	0.41	<0.1	<0.1	0.27	0.09	0.1	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	0.028	<0.1		<0.3	0.032	0.057	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
	09/26/17	8260B	1.3	0.41	<0.1	<0.1	0.27	0.055	0.06	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	<0.1	<0.1		<0.3	<0.3	<0.1	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
	06/12/17	8260B	1.6	0.48	<0.1	<0.1	0.29	0.058	0.049	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	<0.1	<0.1		<0.3	<0.3	<0.1	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
	03/14/17	8260B	1.2	0.42	<0.1	<0.1	0.12	0.083	0.078	<1.0		<1.0					<0.1		<0.1	<0.1			<1.0	0.014	<0.1		<0.3	0.019	0.037	<0.1			<0.1		<0.1	<0.1	<0.1	<0.1	
MKTF-21	11/29/18	8260B	0.099	0.03	<0.02	<0.02	0.013	<0.08	<0.08	<0.2		<0.2					<0.02		<0.02	<0.02			<0.2	0.0048	<0.02	<0.02	<0.06	<0.06	0.0083	<0.02			<0.02		<0.02	<0.02	<0.02	<0.02	
	08/31/18	8260B	0.37	0.1	<0.02	<0.02	0.09	0.012	0.012	0.072		<0.2					<0.02		<0.02	<0.02			<0.2	0.02	<0.02	<0.018	<0.06	0.0053	0.042	<0.02			<0.02		<0.02	<0.02	<0.02	<0.02	
	05/11/18	8260B	0.31	0.062	<0.01	<0.01	0.057	0.011	0.011	<0.1		0.048					<0.01		<0.01	<0.01			<0.1	0.011	<0.01	0.014	<0.03	0.0022	0.021	0.0013			<0.01		<0.01	<0.01	<0.01	<0.01	
	02/15/18	8260B	0.22	0.046	<0.02	<0.02	0.043	0.013	0.013	0.052		<0.2					<0.02		<0.02	<0.02			0.017	0.0074	<0.02	0.023	<0.06	0.0049	0.015	<0.02			<0.02		<0.02	<0.02	<0.02	<0.02	
	11/28/17	8260B	0.29	0.097	<0.05	<0.05	0.061	<0.2	<0.2	<0.5		<0.5					<0.05		<0.05	<0.05			<0.5	0.018	<0.05	<0.5	<0.15	<0.15	0.029	<0.05			<0.05		<0.05	<0.05	<0.05	<0.05	
	09/26/17	8260B	0.29	0.089	<0.05	<0.05	0.045	0.016	0.018	<0.5		<0.5					<0.05		<0.05	<0.05			<0.5	0.018	<0.05	<0.5	<0.15	<0.15	0.033	<0.05			<0.05		<0.05	<0.05	<0.05	<0.05	
	06/21/17	8260B	0.34	0.12	<0.05	<0.05	0.045	<0.2	<0.2	<0.5		<0.5					<0.05		<0.05	<0.05			<0.5	0.019	<0.05	<0.5	<0.15	<0.15	0.031	<0.05			<0.05		<0.05	<0.05	<0.05	<0.05	
	03/14/17	8260B	0.26	0.096	<0.05	<0.05	0.032	0.02	0.021	<0.5		<0.5					<0.05		<0.05	<0.05			<0.5	0.013	<0.05	<0.5	<0.15	<0.15	0.02	<0.05			<0.05		<0.05	<0.05	<0.05	<0.05	
MKTF-22	11/28/18	8260B	<0.02	<0.02	<0.02	<0.02	0.015	0.041	<0.08	<0.2		<0.2					0.011		<0.02	0.014				0.0077	<0.02		<0.06	<0.06	0.014	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	08/30/18	8260b	<0.02	<0.02	<0.02	<0.02	0.014	0.042	<0.08	<0.2		<0.2					0.008		<0.02	0.0081				0.0058	<0.02		<0.06	<0.06	0.013	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	05/10/18	8260B	0.0047	<0.01	<0.01	<0.01	0.016	0.053	0.0045	<0.1		<0.1					0.0097		<0.01	0.0082				0.0085	0.002		<0.03	0.0086	0.018	0.0048	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	02/08/18	8260B	0.0056	0.0011	<0.01	<0.01	0.019	0.046	0.0058	<0.1		<0.1					0.0078		<0.01	0.0068				0.007	0.0025		<0.03	0.0081	0										

Table 2
Groundwater Analyses Summary

STANDARDS			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	1,2-Dibro moethane (EDB) (mg/L)	Naphtha-lene (mg/L)	1-Methyl naphtha-lene (mg/L)	2-Methyl naphtha-lene (mg/L)	Acetone (mg/L)	Bromo methane (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	Chloro benzene (mg/L)	Chloro-ethane (mg/L)	Chloro-form (mg/L)	Chloro-methane (mg/L)	cis-1,2-DCE (mg/L)	1,2-Dichloro benzene (mg/L)	1,4-Dichloro benzene (mg/L)	1,1-Dichloro ethane (mg/L)	1,1-Dichloro ethene (mg/L)	1,2-Dichloro propane (mg/L)	2-Hexanone (mg/L)	Isopropyl benzene (mg/L)	4-Isopropyl toluene (mg/L)	4-Methyl-2 pen-tanone (mg/L)	Methylene Chloride (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Styrene (mg/L)	tert-Butyl benzene (mg/L)	Tetra-chloro ethene (PCE) (mg/L)	1,2,4-Trichloro-benzene (mg/L)	1,1,1-Trichloro ethane (mg/L)	1,1,2-Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)				
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	0.005	0.00005	0.03	NE	NE	NE	NE	NE	NE	NE	0.1	NE	0.07	0.6	0.075	0.025	0.007	0.005	NE	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002			
40 CFR 141.61 MCL			NE	NE	0.005	0.00005	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.07	NE	0.075	NE	0.007	0.005	NE	NE	NE	NE	0.005	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002				
NMED Tap Water (MAR 2019)			NE	NE	0.0017	0.0000747	0.00165	0.0114	0.035	14.06	0.00754	5.56	0.0776	20.86	0.00229	0.0203	0.0365	NE	0.0048	0.0275	0.284	0.00437	NE	0.447	NE	1.24	0.106	NE	NE	NE	1.21	NE	NE	0.00398	8	0.000415	0.00259	0.00032				
EPA RSL for Tap Water (NOV 2018)			0.056	0.06	0.013	0.0000075	0.00017	0.0011	0.036	14	0.0075	5.6	0.078	21	0.00022	0.19	0.036	0.3	0.00048	0.0028	0.28	0.00085	0.038	0.45	NE	6.3	0.011	1	0.66	2	1.2	0.69	0.011	0.0012	8	0.00028	0.00049	0.000019				
WELL ID	DATE SAMPLED	METHOD																																								
MKTF-31	11/15/18	8260B/8011/504.1/EDB	<0.001	<0.001	0.027	0.0000092	<0.002	<0.004	<0.004	<0.01		<0.01			0.00045		0.0017			0.045	0.069	<0.001		0.00028	<0.001		<0.003	<0.003	<0.001	<0.001			<0.001		0.0045	0.0026	0.0048	<0.001				
	08/17/18	8260B/8011/504.1/EDB	<0.001	<0.001	0.026	0.00001	<0.002	<0.004	<0.004	<0.01		<0.01			0.00044		0.0016			0.039	0.073	<0.001		0.0012	<0.001		<0.003	<0.003	<0.001	0.00053			<0.001		0.0048	0.0024	0.0051	<0.001				
	05/06/18	8260B/8011/504.1/EDB	<0.001	<0.001	0.029	0.00096	<0.002	<0.004	<0.004	<0.01		<0.01			0.00071		0.0021			0.049	0.093	<0.001		0.0016	<0.001		<0.003	0.00046	<0.001	0.0007			<0.001		0.0058	0.003	0.006	<0.001				
	02/05/18	8260B	<0.001	<0.001	0.026	<0.001	<0.002	<0.004	<0.004	0.0027		<0.01			0.00063		0.0019			0.044	0.091	<0.001		0.0017	<0.001		<0.003	0.00041	<0.001	0.00055			<0.001		0.0056	0.0029	0.0056	<0.001				
	11/21/17	8260B	<0.001	<0.001	0.022	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001		0.0016			0.035	0.067	0.00019		0.0016	<0.001		0.00029	0.00017	<0.001	<0.001			<0.001		0.0046	0.0024	0.0041	0.00029				
	09/25/17	8260B	<0.001	<0.001	0.025	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			0.00052		0.0017			0.041	0.08	<0.001		0.0018	<0.001		<0.003	0.00035	<0.001	0.00054			<0.001		0.0053	0.0027	0.0048	<0.001				
	06/05/17	8260B	<0.001	<0.001	0.022	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			0.00047		0.0017			0.036	0.07	<0.001		0.0011	<0.001		<0.003	0.00024	<0.001	0.00036			<0.001		0.0051	0.0023	0.0043	<0.001				
	03/07/17	8260B	<0.001	<0.001	0.02	<0.001	<0.002	<0.004	<0.004	0.0026		<0.01			0.00045		0.0018			0.035	0.07	<0.001		0.001	<0.001		<0.003	0.00027	<0.001	0.00035			<0.001		0.0047	0.0022	0.0041	<0.001				
	11/15/18	8260B/8011/504.1/EDB	<0.002	<0.002	0.015	<0.0000094	<0.004	<0.008	0.00072	<0.02		<0.02			<0.003	0.002			0.015	0.026	<0.002		<0.002	<0.002			<0.006	<0.002	0.00064			<0.001		<0.002	0.00083	<0.002	<0.002					
MKTF-32	08/28/18	8260B/8011/504.1/EDB	<0.002	<0.002	0.019	<0.0000093	<0.004	<0.008	<0.008	<0.02		<0.02			<0.004	0.0018			0.017	0.026	<0.002		<0.002	<0.002			<0.006	<0.002	0.00066			<0.002		<0.002	0.0011	<0.002	<0.002					
	05/09/18	8260B/8011/504.1/EDB	<0.001	<0.001	0.02	<0.0000094	<0.002	<0.004	<0.004	<0.01		<0.01			<0.003	0.0023			0.018	0.029	<0.001		<0.001	<0.001			<0.003	<0.001	0.00075			<0.001		0.00038	0.0014	0.00028	<0.001					
	02/07/18	8260B/8011/504.1/EDB	<0.001	<0.001	0.019	<0.0000094	<0.002	<0.004	<0.004	<0.01		<0.001			<0.003	0.002			0.017	0.034	<0.001		0.00013	<0.001			<0.003	<0.001	0.00068			<0.001		0.00051	0.0015	0.00036	<0.001					
	11/27/17	8260B	<0.001	<0.001	0.016	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.003	0.0016			0.014	0.023	0.00014		<0.001	<0.001			<0.003	<0.001	0.00066			<0.001		0.00029	0.0012	0.00019	<0.001					
	09/25/17	8260B	0.00012	<0.001	0.017	<0.001	0.00098	0.0018	0.0013	0.0049		<0.01			<0.003	0.0017			0.016	0.029	<0.001		0.00012	<0.001			<0.003	<0.001	0.00079			<0.001		0.00047	0.0014	0.0003	<0.001					
	06/06/17	8260B/8011/504.1/EDB	<0.001	<0.001	0.019	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.003	0.002			0.019	0.038	<0.001		0.00013	<0.001			<0.003	<0.001	0.00063			<0.001		0.00057	0.0014	0.00026	<0.001					
	03/07/17	8260B	<0.001	<0.001	0.018	<0.001	<0.002	<0.004	<0.004	0.0024		<0.01			<0.003	0.0019			0.018	0.035	<0.001		0.00022	<0.001			<0.003	<0.001	0.00081			<0.001		0.00058	0.0014	0.00024	<0.001					
	11/28/18	8260B/8011/504.1	<0.002	<0.002	<0.002	<0.0000095	<0.004	<0.008	<0.008	<0.02		<0.02			<0.002	<0.002			<0.002	<0.002	<0.002		<0.002	<0.002			<0.006	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002						
	08/30/18	8260B/8011/504.1/EDB	<0.001	<0.001	<0.001	<0.0000092	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001	<0.001			<0.001	<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001	<0.001	<0.001		<0									

Table 2
Groundwater Analyses Summary

STANDARDS			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	1,2-Dibro moethane (EDB) (mg/L)	Naphtha-lene (mg/L)	1-Methyl naphtha-lene (mg/L)	2-Methyl naphtha-lene (mg/L)	Acetone (mg/L)	Bromo methane (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	Chloro benzene (mg/L)	Chloro-ethane (mg/L)	Chloro-form (mg/L)	Chloro-methane (mg/L)	cis-1,2-DCE (mg/L)	1,2-Dichloro benzene (mg/L)	1,4-Dichloro benzene (mg/L)	1,1-Dichloro ethane (mg/L)	1,1-Dichloro ethene (mg/L)	1,2-Dichloro propane (mg/L)	2-Hexanone (mg/L)	Isopropyl benzene (mg/L)	4-Isopropyl toluene (mg/L)	4-Methyl-2-pen-tanone (mg/L)	Methylene Chloride (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Styrene (mg/L)	tert-Butyl benzene (mg/L)	Tetra-chloro ethene (PCE) (mg/L)	1,2,4-Trichloro-benzene (mg/L)	1,1,1-Trichloro ethane (mg/L)	1,1,2-Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)		
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	0.005	0.00005	0.03	NE	NE	NE	NE	NE	NE	NE	0.1	NE	0.07	0.6	0.075	0.025	0.007	0.005	NE	NE	NE	NE	NE	0.005	NE	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002
40 CFR 141.61 MCL			NE	NE	0.005	0.00005	NE	NE	NE	NE	NE	NE	0.1	NE	NE	NE	0.07	NE	0.075	NE	0.007	0.005	NE	NE	NE	NE	NE	0.005	NE	NE	NE	NE	0.1	NE	0.005	0.07	0.2	0.005	0.005	0.002
NMED Tap Water (MAR 2019)			NE	NE	0.0017	0.0000747	0.00165	0.0114	0.035	14.06	0.00754	5.56	0.0776	20.86	0.00229	0.0203	0.0365	NE	0.0048	0.0275	0.284	0.00437	NE	0.447	NE	1.24	0.106	NE	NE	NE	NE	1.21	NE	NE	0.00398	8	0.000415	0.00259	0.00032	
EPA RSL for Tap Water (NOV 2018)			0.056	0.06	0.013	0.0000075	0.00017	0.0011	0.036	14	0.0075	5.6	0.078	21	0.00022	0.19	0.036	0.3	0.00048	0.0028	0.28	0.00085	0.038	0.45	NE	6.3	0.011	1	0.66	2	1.2	0.69	0.011	0.0012	8	0.00028	0.00049	0.000019		
WELL ID	DATE SAMPLED	METHOD																																						
MKTF-43	06/06/17	8260B	0.0047	0.0024	0.0015	<0.001	0.016	0.016	0.0052	0.035	<0.003	0.0099					<0.001			<0.001	<0.001		<0.01	0.00034	0.0032	0.0018		<0.003	0.00037	0.00017			<0.001		<0.001	<0.001	<0.001	<0.001		
	03/07/17	8260B	0.004	0.0034	0.0013	<0.001	0.024	0.019	0.0073	0.028	<0.003	0.009					<0.001			<0.001	<0.001		<0.01	0.00034	0.0031	0.0022		<0.003	0.00028	0.0002			<0.001		<0.001	<0.001	<0.001	<0.001		
	11/15/18	8260B	0.00061	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0036		<0.01			0.00095		<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001							
	08/30/18	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	0.012		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
	05/09/18	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.01		<0.01			0.00072		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001					
	02/07/18	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
MKTF-44	11/27/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0036		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0091		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
	06/06/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0054		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
	03/08/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0037		<0.01			0.00016		<0.001	<0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.01		<0.003	<0.001	<0.001			<0.001						
	11/28/18	8260B	0.0005	0.00023	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	08/30/18	8260B	<0.001	<0.0001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0081		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001			<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	05/10/18	8260B	<0.001	<0.0001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	0.00016			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	02/08/18	8260B	0.0012	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	11/28/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0021		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	09/25/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0026		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	06/05/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0038		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		
	03/08/17	8260B	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	0.0017		<0.01			<0.001		<0.001	<0.001			<0.001	<0.001		<0.001	<0.001			<0.003	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001	<0.001		

DEFINITIONS
NE = Not established
NA = Not analyzed
Bold and highlighted values represent values above the applicable standards

STANDARDS
WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
a) Human Health Standards; b) Other Standards for Domestic Water
40 CFR 141.61 Maximum Contaminant Levels for Organic Contaminants
NMED Risk Assessment Guidance for Investigations and Remediations Table A-1
EPA Regional Screening Level (RSL) Summary Table

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTF-1	02/24/16	8015D/300.0	3	51	<5.0	<0.1	470	2.6	2.6	0.55
	11/04/15	8015D/300.0	200	36	<5.0	1.1	450	<1.0	<1.0	<0.5
	08/21/15	8015D/300.0	34	26	<5.0	0.78	460	<1.0	<1.0	<2.5
	06/09/15	8015D	110	31	<50	NA	NA	NA	NA	NA
	03/11/15	8015D	370	31	<50	NA	NA	NA	NA	NA
	06/06/14	8015D/300.0	510	50	<50	0.6	400	<1.0	<1.0	0.58
MKTF-2	11/18/18	8015D/300.0	2.9	18	<5.0	2.3	570	0.18	<0.5	5.6
	08/20/18	8015D/300.0	1.3	7.8	<5.0	2.1	510	<0.5	<0.5	11
	05/01/18	8015D/300.0	3.2	9.1	<5.0	2.3	520	<0.5	<0.5	15
	02/06/18	8015D/300.0	2.8	7.7	<5.0	2.3	520	<1.0	<1.0	20
	11/20/17	8015D/300.0	2.7	12	<5.0	2.4	540	<1.0	<1.0	18
	10/03/17	8015D/300.0	1.5	9.3	<5.0	1.8	460	<1.0	<1.0	20
	03/16/17	8015D/300.0	2.7	14	<5.0	2.7	400	<0.5	<0.5	16
MKTF-4	11/20/18	8015D/300.0	4.5	7.6	<5.0	1.1	210	0.093	<0.5	9.6
	09/04/18	8015D/300.0	4.7	12	<5.0	1	200	<0.5	0.083	5.5
	05/02/18	8015D/300.0	4.9	12	<5.0	<0.5	200	<0.5	<0.5	9.8
	02/14/18	8015D/300.0	5	9.6	<5.0	0.93	220	<0.5	<0.5	8.6
	11/28/17	8015D/300.0	5.6	16	<5.0	1.1	210	<1.0	<1.0	2.3
	09/26/17	8015D/300.0	6.6	13	<5.0	0.87	200	<1.0	<1.0	0.7
	06/08/17	8015D/300.0	5.7	10	<5.0	0.67	210	<1.0	<1.0	5.3
	03/02/17	8015D/300.0	5.7	12	<5.0	0.99	220	<1.0	<1.0	2.8
MKTF-9	11/28/18	300.0/8015D	1.8	9.1	<5.0	<0.5	260	0.11	<0.5	24
	09/04/18	300.0/8015D	2.4	11	<5.0	0.52	260	<0.5	<0.5	17
	05/02/18	300.0/8015D	2.6	8.2	<5.0	0.34	250	<0.5	0.21	22
	02/14/18	300.0/8015D	2.2	8.7	<5.0	0.4	220	<0.5	<0.5	27
	11/28/17	300.0/8015D	2.6	11	<5.0	0.45	220	<1.0	<1.0	27
	09/28/17	300.0/8015D	4.2	13	<5.0	0.35	180	<0.5	<0.5	14
	06/12/17	8015D/300.0	2.4	11	<5.0	<0.5	180	<1.0	<1.0	14
	03/15/17	300.0/8015D	3.9	12	<5.0	0.33	180	<0.1	<0.1	28
MKTF-10	11/20/18	300.0/8015D	2.8	53	<5.0	<0.5	320	0.12	<0.5	<2.5
	09/04/18	300.0/8015D	2.5	57	<5.0	0.85	340	<0.5	<0.5	<2.5
	05/02/18	300.0/8015D	3.7	100	<5.0	<0.5	380	<0.5	<0.5	<2.5
	02/14/18	300.0/8015D	2.6	74	<5.0	<0.5	390	<0.5	<0.5	<2.5
	11/28/17	300.0/8015D	3.5	83	<5.0	1.1	370	<1.0	<1.0	<2.5
	09/28/17	300.0/8015D	3.6	74	<5.0	<0.5	330	<0.5	<0.5	0.55
	06/08/17	8015D/300.0	3.5	100	<5.0	0.49	310	<1.0	<1.0	0.25
	03/02/17	300.0/8015D	5.3	110	<5.0	0.35	350	<1.0	<1.0	0.3
MKTF-11	11/20/18	300.0/8015D	1.7	41	<5.0	<0.5	1200	0.35	<0.5	1.7
	09/04/18	300.0/8015D	1.6	53	<5.0	0.75	1200	<0.5	<0.5	2
	05/02/18	300.0/8015D	2.5	72	<5.0	<0.5	850	<0.5	0.21	1.4
	02/08/18	300.0/8015D	2.2	69	<5.0	<0.5	740	0.21	0.21	1.5
	11/28/17	300.0/8015D	2.1	59	<5.0	<0.5	860	0.27	0.27	1.2
	09/26/17	300.0/8015D	2.8	63	<5.0	<0.5	820	<1.0	<1.0	<2.5
	06/08/17	8015D/300.0	1.8	30	<5.0	<2.0	630	<1.0	<1.0	4.3
	03/02/17	300.0/8015D	1.7	27	<5.0	<0.5	650	<1.0	<1.0	3.4
MKTF-13	11/28/18	8015D/300.0	4.5	24	<5.0	<0.5	220	0.1	<0.5	<2.5
	08/30/18	8015D/300.0	5.5	26	<5.0	0.28	210	<0.5	0.12	<2.5
	05/10/18	8015D/300.0	30	28	<5.0	0.29	190	<0.5	0.21	1.2
	03/15/17	8015D/300.0	48	28	<5.0	0.27	120	<0.5	<0.5	<2.5

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTf-15	08/28/18	8015D/300.0	2.7	78	<5.0	<2.0	6400	<2.0	<2.0	1.5
	05/02/18	8015D	4	97	<5.0	<0.5	7200	<2.0	<0.5	1.3
	11/28/17	8015D	5.3	130	<5.0	<2.0	6000	1.8	1.8	0.56
	06/08/17	8015D/300.0	5.9	150	<5.0	<2.0	4300	<4.0	<4.0	0.74
	03/02/17	8015D/300.0	8.8	140	<5.0	<2.0	3400	<2.0	<2.0	1
MKTf-16	11/29/18	300.0/8015D	2.6	34	<5.0	1.4	620	<0.5	<0.5	0.64
	08/31/18	300.0/8015D	3.3	50	<5.0	1.5	650	<1.0	<1.0	1.4
	05/11/18	300.0/8015D	2.9	47	<5.0	0.25	840	0.33	0.099	1.2
	02/15/18	300.0/8015D	2.4	8.4	<5.0	4.5	760	<0.5	0.13	57
	11/29/17	300.0/8015D	4	70	<5.0	0.63	700	<1.0	<1.0	<2.5
	09/26/17	300.0/8015D	4.7	78	<5.0	0.48	810	<1.0	<1.0	0.64
	06/08/17	300.0/8015D	4.3	60	<5.0	1.4	800	<1.0	<1.0	0.68
	03/14/17	300.0/8015D	5.9	85	<5.0	0.95	580	<2.0	<2.0	0.14
MKTf-17	11/28/18	300.0/8015D	1.6	3	<5.0	0.9	110	0.075	<0.5	120
	08/24/18	300.0/8015D	<1.0	4.7	<5.0	0.55	110	<0.5	<0.5	160
	05/04/18	300.0/8015D	1.4	7.1	<5.0	0.26	130	<0.1	0.054	68
	02/16/18	300.0/8015D	1.36	3.7	<5.0	0.74	100	<0.5	<0.5	52
	12/01/17	300.0/8015D	1.1	2.5	<5.0	0.91	92	<1.0	<1.0	97
	09/26/17	300.0/8015D	2	4.3	<5.0	0.76	83	<1.0	<1.0	22
	06/14/17	300.0/8015D	2.2	4	<5.0	0.81	70	<1.0	<1.0	66
	03/15/17	300.0/8015D	2.4	3.5	<5.0	0.73	61	<0.1	<0.1	43
MKTf-18	11/28/18	300.0/8015D	<1.0	0.12	<5.0	0.73	220	0.1	<0.5	<2.5
	08/24/18	300.0/8015D	1.6	0.97	<5.0	0.51	230	<0.5	<0.5	<2.5
	05/04/18	300.0/8015D	2.4	0.8	<5.0	0.49	230	<0.1	0.051	0.41
	02/16/18	300.0/8015D	2.8	0.85	<5.0	0.61	220	<0.5	<0.5	<2.5
	06/14/17	300.0/8015D	7.1	0.83	<5.0	<0.5	190	<1.0	<1.0	0.53
	03/01/17	300.0/8015D	2.7	0.81	<5.0	0.62	180	<1.0	<1.0	0.22
MKTf-19	11/28/18	300.0/8015D	7.8	15	<5.0	<0.5	140	0.084	<0.5	<2.5
	08/24/18	300.0/8015D	7.9	22	<5.0	<0.5	120	<0.5	<0.5	<2.5
	05/04/18	300.0/8015D	9.3	23	<5.0	<0.5	130	<0.5	<0.5	1.2
	02/16/18	300.0/8015D	11	16	<5.0	<0.5	120	<0.5	<0.5	<2.5
	12/01/17	300.0/8015D	13	24	<5.0	<0.5	120	0.14	0.14	0.67
	09/26/17	8015D/300.0	11	29	<5.0	<0.5	120	<1.0	<1.0	0.77
	06/14/17	300.0/8015D	11	23	<5.0	<0.5	130	<1.0	<1.0	0.73
	03/15/17	300.0/8015D	14	25	<5.0	0.098	130	<0.1	<0.1	0.52
MKTf-20	11/29/18	8015D	6.9	17	<5.0	4.2	460	<0.5	<0.5	4.3
	08/31/18	8015D/300.0	11	70	<5.0	3.3	560	<0.5	<0.5	8.4
	05/11/18	8015D/300.0	9.7	76	<5.0	2.4	1600	0.63	0.097	18
	02/15/18	8015D	5.1	79	<5.0	0.55	3100	<2.0	<0.5	15
	11/29/17	8015D	22	91	<5.0	2.1	420	<1.0	<1.0	1
	09/26/17	8015D/300.0	3.9	78	<5.0	2.2	590	<1.0	<1.0	73
	06/12/17	8015D/300.0	5.3	95	<5.0	2	580	<1.0	<1.0	0.64
	03/14/17	8015D	16	90	<5.0	1	1100	<0.5	<0.5	5
MKTf-21	11/29/18	8015D	3.8	7.2	<5.0	0.89	340	<0.5	<0.5	8.6
	08/31/18	8015D/300.0	2.9	22	<5.0	0.43	330	<0.5	<0.5	7.1
	05/11/18	8015D/300.0	3.9	17	<5.0	<0.5	190	<0.5	0.12	4.3
	02/15/18	8015D/300.0	3.2	12	<5.0	<0.5	210	<0.5	<0.5	23
	11/28/17	8015D	2.6	25	<5.0	<0.5	210	<1.0	<1.0	7
	09/26/17	8015D	2	24	<5.0	<0.5	230	<1.0	<1.0	2
	06/21/17	8015D/300.0	6.2	30	<5.0	<0.5	310	<1.0	<1.0	1.1
	03/14/17	8015D/300.0	4	37	<5.0	<0.5	440	<0.5	<0.5	3.4

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTf-22	11/28/18	8015D	2	11	<5.0	<0.5	130	0.079	<0.5	5.8
	08/30/18	8015D/300.0	3.1	11	<5.0	0.35	110	<0.5	1.7	3.8
	05/10/18	8015D/300.0	3.5	11	<5.0	0.27	110	<0.1	0.15	5.8
	02/08/18	8015D/300.0	2.9	10	<5.0	0.24	110	<1.0	<1.0	5.2
	11/28/17	8015D/300.0	2.4	13	<5.0	0.34	100	<1.0	<1.0	3.3
	10/03/17	8015D/300.0	2.5	13	<5.0	0.28	110	<1.0	<1.0	7.6
	06/08/17	8015D/300.0	3	14	<5.0	0.25	100	<1.0	<1.0	6
	03/08/17	8015D	3	23	<5.0	0.33	100	<1.0	<1.0	2
MKTf-23	06/10/16	8015D/300.0	710	38	<50	0.75	240	<1.0	<1.0	0.36
	02/25/16	8015D/300.0	56	32	<5.0	0.69	240	<1.0	<1.0	0.38
	11/9 & 10/2015	8015D/300.0	71	34	<5.0	1	250	<0.1	<0.1	14
	08/21/15	8015D/300.0	35	29	<5.0	0.57	300	<1.0	<1.0	<2.5
	06/09/15	8015D	23	32	<5.0	NA	NA	NA	NA	NA
	03/12/15	8015D	14	35	<5.0	NA	NA	NA	NA	NA
	11/17/14	8015D/300.0	7.7	26	<5.0	0.43	390	<1.0	<1.0	5.9
	09/23/14	8015D	14	23	<5.0	NA	NA	NA	NA	NA
	11/05/13	8015D	1.1	12	<5.0	NA	NA	NA	NA	NA
MKTf-24	11/15/18	8015D/300.0	1.5	16	<5.0	<0.5	520	<0.5	<0.5	27
	08/20/18	8015D/300.0	1.4	23	<5.0	<0.5	560	<0.5	<0.5	30
	05/01/18	8015D/300.0	1.4	23	<5.0	<0.1	500	<2.0	0.17	29
	02/06/18	8015D/300.0	1.1	21	<5.0	<0.5	430	<1.0	<1.0	30
	11/20/17	8015D/300.0	1	28	<5.0	<0.5	560	<1.0	<1.0	34
	10/03/17	8015D/300.0	0.56	10	<5.0	<0.5	800	<1.0	<1.0	64
	06/05/17	8015D/300.0	1.8	23	<5.0	<0.1	620	<1.0	<1.0	43
	03/29/17	8015D	0.74	8.2	<5.0	<0.1	800	<1.0	<1.0	59
MKTf-25	11/15/18	300.0/8015D	<1.0	5	<5.0	<0.5	630	<0.5	<0.5	50
	08/17/18	300.0/8015D	1	17	<5.0	<0.5	540	<0.5	<0.5	23
	05/06/18	300.0/8015D	1.1	12	<5.0	<0.1	500	<1.0	<1.0	28
	02/05/18	300.0/8015D	0.58	16	<5.0	<0.5	520	<1.0	<1.0	27
	11/21/17	300.0/8015D	0.78	17	<5.0	<0.5	550	<0.5	<0.5	29
	09/25/17	8015D/300.0	1	16	<5.0	0.25	500	<1.0	<1.0	31
	06/05/17	300.0/8015D	1.2	8.4	<5.0	0.054	420	<1.0	<1.0	130
	03/29/17	300.0/8015D	0.95	7.8	<5.0	0.095	380	<1.0	<1.0	100
MKTf-26	06/09/16	8015D/300.0	<1.0	1.5	<5.0	0.15	2300	<1.0	<1.0	230
	02/22/16	8015D/300.0	<1.0	1.5	<5.0	0.2	2000	11	11	210
	11/04/15	8015D/300.0	<1.0	2.3	<5.0	0.69	1000	<1.0	<1.0	94
	08/20/15	8015D/300.0	<1.0	1.5	<5.0	<0.5	1800	<1.0	<1.0	220
	06/10/15	8015D	<1.0	2.5	<5.0	NA	NA	NA	NA	NA
	03/11/15	8015D	<1.0	2.5	<5.0	NA	NA	NA	NA	NA
MKTf-27	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	0.83	3100	<2.0	0.64	270
	08/20/18	8015D/300.0	<1.0	0.033	<5.0	<0.5	4000	<2.0	0.61	300
	05/01/18	8015D/300.0	<1.0	0.028	<5.0	<0.5	4800	<2.0	2.3	450
	02/06/18	8015D/300.0	<1.0	0.014	<5.0	0.84	2300	1.7	1.7	200
	11/20/17	8015D/300.0	<1.0	0.036	<5.0	<0.5	3200	0.51	0.51	290
	10/03/17	8015D/300.0	<1.0	0.013	<5.0	<0.5	2900	<2.0	<2.0	290
	06/05/17	8015D/300.0	<1.0	0.03	<5.0	0.27	3800	2.5	2.5	410
	03/29/17	8015D/300.0	<1.0	0.022	<5.0	<0.1	5000	3.7	3.7	600

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTf-28	11/18/18	300.0/8015D	<1.0	<0.05	<5.0	1.4	400	<0.5	1.7	180
	08/20/18	300.0/8015D	<1.0	0.024	<5.0	0.48	540	<0.5	1.3	240
	05/01/18	300.0/8015D	<1.0	<0.05	<5.0	0.83	400	<0.5	2.7	150
	02/06/18	300.0/8015D	<1.0	<0.05	<5.0	1	380	2.7	2.7	180
	11/20/17	300.0/8015D	<1.0	<0.05	<5.0	1	410	1.9	1.9	180
	10/03/17	8015D/300.0	<1.0	<0.05	<5.0	0.95	390	1.6	1.6	150
	06/05/17	8015D/300.0	<1.0	<0.05	<5.0	0.85	420	1.2	1.2	160
	03/29/17	300.0/8015D	<1.0	<0.05	<5.0	0.87	410	1	1	160
MKTf-29	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	0.8	210	<0.5	<0.5	630
	08/20/18	8015D/300.0	<1.0	0.021	<5.0	0.57	200	<0.5	0.31	520
	05/01/18	8015D/300.0	0.66	<0.05	<5.0	0.68	160	<0.5	0.21	460
	02/06/18	8015D/300.0	<1.0	0.021	<5.0	0.81	160	<1.0	<1.0	560
	11/20/17	8015D/300.0	<1.0	<0.05	<5.0	0.63	150	<1.0	<1.0	780
	10/03/17	8015D/300.0	0.37	<0.05	<5.0	0.6	150	0.14	0.14	880
	06/05/17	8015D/300.0	1	<0.05	<5.0	0.68	150	<1.0	<1.0	670
	03/29/17	8015D/300.0	0.43	0.012	<5.0	0.75	100	<1.0	<1.0	640
MKTf-30	11/15/18	8015D/300.0	<1.0	0.04	<5.0	1.2	460	<0.5	<0.5	490
	08/20/18	8015D/300.0	<1.0	0.12	<5.0	0.54	510	<1.0	<1.0	430
	05/01/18	8015D/300.0	<1.0	0.023	<5.0	1.3	400	<1.0	<1.0	480
	02/06/18	8015D/300.0	<1.0	0.1	<5.0	1.2	550	0.31	0.31	390
	11/20/17	8015D/300.0	<1.0	0.075	<5.0	0.88	620	0.44	0.44	410
	10/03/17	8015D/300.0	<1.0	0.1	<5.0	0.79	630	<2.0	<2.0	510
	06/05/17	8015D/300.0	<1.0	0.048	<5.0	1	620	0.3	0.3	560
	03/29/17	8015D/300.0	<1.0	0.14	<5.0	0.8	740	0.24	0.24	360
MKTf-31	11/15/18	8015D/300.0	<1.0	0.12	<5.0	<0.5	810	<0.5	<0.5	67
	08/17/18	8015D/300.0	<1.0	0.22	<5.0	<0.5	840	<0.5	<0.5	64
	05/06/18	8015D/300.0	<1.0	0.32	<5.0	<0.1	750	<1.0	<1.0	63
	02/05/18	8015D/300.0	<1.0	0.19	<5.0	<0.5	750	<1.0	<1.0	63
	11/21/17	8015D/300.0	<1.0	0.23	<5.0	<0.5	890	<0.5	<0.5	76
	09/25/17	8015D/300.0	<1.0	0.2	<5.0	<0.5	770	<1.0	<1.0	76
	06/05/17	8015D/300.0	0.47	0.15	<5.0	<0.1	1200	<1.0	<1.0	98
	03/07/17	8015D/300.0	<1.0	0.19	<5.0	<0.1	1100	<1.0	<1.0	87
MKTf-32	11/15/18	8015D/300.0	<1.0	0.56	<5.0	<0.5	370	<0.5	<0.5	89
	08/28/18	8015D/300.0	<1.0	0.7	<5.0	<0.5	440	<0.5	<0.5	94
	05/09/18	8015D/300.0	<1.0	0.64	<5.0	0.049	430	<1.0	<1.0	83
	02/07/18	8015D/300.0	<1.0	0.65	<5.0	<5.0	420	<1.0	<1.0	93
	11/27/17	8015D/300.0	<1.0	0.86	<5.0	<5.0	420	<1.0	<1.0	99
	09/25/17	8015D/300.0	<1.0	0.73	<5.0	0.32	420	<1.0	<1.0	100
	06/06/17	8015D/300.0	<1.0	0.71	<5.0	0.31	480	<1.0	<1.0	92
	03/07/17	8015D/300.0	<1.0	0.92	<5.0	0.17	400	<1.0	<1.0	91
MKTf-33	11/28/18	8015D/300.0	0.69	0.24	<5.0	<0.5	97	<0.5	<0.5	220
	08/30/18	8015D/300.0	1.3	0.49	<5.0	0.22	93	<0.5	0.23	230
	05/10/18	8015D/300.0	1.5	0.5	<5.0	0.15	100	<0.1	0.15	210
	02/08/18	8015D/300.0	<1.0	0.22	<5.0	<0.5	100	0.18	0.18	280
	11/28/17	8015D/300.0	<1.0	0.35	<5.0	0.23	96	0.32	0.32	250
	09/25/17	300.0/8015D	<1.0	0.26	<5.0	0.33	93	0.24	0.24	270
	06/08/17	8015D/300.0	<1.0	0.25	<5.0	0.17	92	0.21	0.21	290
	03/08/17	8015D/300.0	<1.0	0.3	<5.0	0.22	96	0.19	0.19	330
MKTf-34	11/28/18	300.0/8015D	<1.0	<0.05	<5.0	<0.5	210	0.089	8.4	280
	08/24/18	300.0/8015D	<1.0	<0.05	<5.0	0.32	220	<0.5	8.1	230
	05/04/18	300.0/8015D	<1.0	<0.05	<5.0	0.31	230	<0.1	8.1	250
	02/16/18	300.0/8015D	<1.0	0.012	<5.0	0.45	230	<0.5	8.4	230
	12/01/17	300.0/8015D	<1.0	0.027	<5.0	0.54	270	8	8	230
	09/26/17	300.0/8015D	<1.0	<0.05	<5.0	0.29	280	7.6	7.6	220
	06/14/17	300.0/8015D	<1.0	<0.05	<5.0	<5.0	280	8.4	8.4	210
	03/01/17	300.0/8015D	<1.0	<0.05	<5.0	0.45	310	9	9	220

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTf-35	11/28/18	8015D/300.0	<1.0	0.72	<5.0	0.85	170	0.068	<0.5	39
	08/23/18	8015D/300.0	<1.0	0.49	<5.0	0.67	170	<0.5	<0.5	38
	05/03/18	8015D/300.0	1.3	0.44	<5.0	0.58	190	<0.1	0.032	48
	02/15/18	8015D/300.0	0.94	0.37	<5.0	0.68	180	<0.5	<0.5	37
	11/30/17	8015D/300.0	0.92	0.47	<5.0	0.9	190	<1.0	<1.0	34
	09/27/17	8015D/300.0	1.7	0.57	<5.0	0.8	190	<1.0	<1.0	38
	06/14/17	8015D/300.0	2.1	0.6	<5.0	0.3	150	<1.0	<1.0	99
	03/01/17	8015D/300.0	2.1	0.73	<5.0	0.94	71	<1.0	<1.0	410
MKTf-36	09/05/18	8015D/300.0	5.6	25	<5.0	0.82	190	<0.5	0.07	<2.5
	05/03/18	8015D/300.0	10	26	<5.0	0.78	180	<0.5	0.085	<2.5
	02/15/18	8015D/300.0	10	27	<5.0	0.62	180	<0.5	<0.5	<2.5
	11/30/17	8015D/300.0	12	31	<5.0	0.79	170	0.29	0.29	0.51
	09/27/17	8015D/300.0	24	31	<5.0	0.66	160	<1.0	<1.0	0.7
	06/14/17	8015D/300.0	14	34	<5.0	0.56	140	<1.0	<1.0	<2.5
	03/01/17	8015D/300.0	13	35	<5.0	0.6	140	<1.0	<1.0	<2.5
MKTf-37	08/23/18	8015D/300.0	3	17	<5.0	0.47	140	<0.5	<0.5	20
	05/03/18	8015D/300.0	6.1	16	<5.0	<0.5	240	<0.5	0.084	23
	11/03/17	8015D/300.0	6.2	15	<5.0	0.16	180	<1.0	<1.0	12
	06/04/15	8015D	5.7	12	<5.0	NA	NA	NA	NA	NA
	03/17/15	8015D	4.5	11	<5.0	NA	NA	NA	NA	NA
	11/21/14	8015D	<1.0	8.7	<5.0	NA	NA	NA	NA	NA
MKTf-38	11/20/18	8015D/300.0	<1.0	0.13	<5.0	0.81	240	0.21	5.9	400
	08/21/18	8015D/300.0	<1.0	0.025	<5.0	0.8	370	<0.5	1.9	300
	05/03/18	8015D/300.0	<1.0	<0.05	<5.0	0.65	290	<1.0	0.4	320
	02/12/18	8015D/300.0	<1.0	0.012	<5.0	0.71	210	<0.5	2.8	220
	11/30/17	8015D/300.0	<1.0	0.026	<5.0	0.9	210	1.2	1.2	250
	09/28/17	8015D/300.0	<1.0	0.03	<5.0	0.69	230	<0.5	<0.5	260
	06/21/17	8015D/300.0	<1.0	<0.05	<5.0	0.79	280	0.24	0.24	290
	03/14/17	8015D	<1.0	<0.05	<5.0	0.74	130	0.26	0.26	380
MKTf-39	11/20/18	8015D/300.0	11	0.25	<5.0	<0.5	1900	0.72	<0.5	<2.5
	08/21/18	8015D/300.0	11	0.91	<5.0	0.28	1600	<0.5	0.2	1.1
	05/06/18	8015D/300.0	17	0.7	<5.0	0.86	960	0.64	<0.5	<2.5
	02/08/18	8015D/300.0	17	0.7	<5.0	<0.5	3200	1	1	<2.5
	11/28/17	8015D/300.0	14	0.9	<5.0	0.46	1900	0.36	0.36	<2.5
	09/28/17	8015D/300.0	28	0.37	<5.0	<0.5	3400	<0.5	<0.5	0.49
	06/08/17	8015D/300.0	56	0.73	<5.0	0.87	790	<1.0	<1.0	0.16
	03/14/17	8015D	28	1.5	<5.0	0.44	1000	<2.0	<2.0	0.23
MKTf-40	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	2700	<2.0	<0.5	610
	08/17/18	8015D/300.0	<1.0	0.019	<5.0	<0.5	3100	<2.0	<0.5	550
	05/06/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	4800	2.4	0.1	560
	02/05/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	4000	<4.0	<4.0	480
	11/21/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	4100	<2.0	<2.0	590
	09/25/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	3600	<4.0	<4.0	590
	06/05/17	8015D/300.0	<1.0	<0.05	<5.0	<2	4400	<4.0	<4.0	580
	03/07/17	8015D/300.0	<1.0	<0.05	<5.0	<0.1	4200	<4.0	<4.0	500
MKTf-41	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	840	5.7	5.7	61
	08/29/18	8015D/300.0	<1.0	<0.05	<5.0	0.57	850	<1.0	5.5	64
	05/09/18	8015D/300.0	<1.0	<0.05	<5.0	0.11	840	4.9	4.9	56
	02/07/18	8015D/300.0	<1.0	0.017	<5.0	0.27	790	5.3	5.3	61
	11/27/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	860	5.6	5.6	65
	09/25/17	8015D/300.0	<1.0	0.029	<5.0	0.47	810	5.3	5.3	65
	06/06/17	8015D/300.0	<1.0	<0.05	<5.0	0.24	910	5.4	5.4	66
	03/07/17	8015D/300.0	<1.0	<0.05	<5.0	0.32	800	3.9	3.9	64

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS							
			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	1.6	250	1	10	600
40 CFR 141.62 MCL			NE	NE	NE	4	NE	1	10	NE
NMED Tap Water (MAR 2019)			NE	NE	NE	1.18	NE	1.97	31.59	NE
EPA RSL for Tap Water (NOV 2018)			NE	NE	NE	0.8	NE	2	32	NE
NMED SSG (MAR 2019)			0.0858	0.0858	0.0858	NE	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MKTf-42	11/15/18	8015D/300.0	63	0.56	<5.0	0.89	1100	<0.5	<0.5	87
	08/29/18	8015D/300.0	64	0.21	<5.0	0.94	1000	<1.0	<1.0	98
	05/09/18	8015D/300.0	72	0.4	<5.0	0.47	920	<1.0	<1.0	95
	02/07/18	8015D/300.0	79	0.46	<5.0	0.43	810	<1.0	<1.0	92
	11/27/17	8015D/300.0	77	0.19	<5.0	<0.5	850	<1.0	<1.0	110
	09/25/17	8015D/300.0	72	0.21	<5.0	0.6	820	<1.0	<1.0	100
	06/06/17	8015D/300.0	72	0.15	<5.0	0.47	880	<1.0	<1.0	110
	03/07/17	8015D/300.0	79	0.14	<5.0	0.68	820	<1.0	<1.0	110
MKTf-43	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	2600	<2.0	<2.5	290
	08/30/18	8015D/300.0	<1.0	<0.05	<5.0	0.38	3200	<2.0	8.5	260
	05/09/18	8015D/300.0	<1.0	<0.05	<5.0	<2.0	7600	6.5	6.5	810
	02/07/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	8500	13	13	950
	11/27/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	12000	14	14	1200
	09/25/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	9500	13	13	1100
	06/06/17	8015D/300.0	<1.0	<0.05	<5.0	<2.0	12000	23	23	980
	03/08/17	8015D/300.0	<1.0	<0.05	<5.0	<2.0	13000	25	25	1000
MKTf-44	11/15/18	8015D/300.0	<1.0	<0.05	<5.0	<0.5	230	<0.5	0.57	100
	08/30/18	8015D/300.0	1.7	0.015	<5.0	0.17	530	<0.5	2.5	96
	05/10/18	8015D/300.0	<1.0	<0.05	<5.0	0.16	240	0.066	1.1	95
	02/08/18	8015D/300.0	<1.0	0.01	<5.0	<0.5	390	2.1	2.1	100
	11/28/17	8015D/300.0	<1.0	0.017	<5.0	<0.5	730	4.2	4.2	91
	09/25/17	8015D/300.0	<1.0	<0.05	<5.0	<0.5	1100	7	7	85
	06/05/17	8015D/300.0	<1.0	<0.05	<5.0	<0.1	1300	7.6	7.6	80
	03/08/17	8015D/300.0	<1.0	<0.05	<5.0	<0.1	3500	26	26	59

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Maximum Contaminant Levels for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1

EPA Regional Screening Level (RSL) Summary Table

NMED Soil Screening Guidance Volume 1, Table 6-4 (groundwater)

NOTES

1) No samples collected for General Chemistry - not enough water.

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS - TOTAL ANALYSES												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTf-1	02/24/16	200.7/200.8	0.002	3.3	<0.002	<0.006	<0.006	5.5	0.0011	2.2	0.0028	<0.005	<0.0002	0.00029	0.0099
	11/04/15	200.7/200.8	<0.005	3	<0.002	<0.006	<0.006	8.3	0.0069	2.1	0.0082	<0.005	<0.0002	0.00061	0.016
	08/21/15	200.7/200.8	0.0033	2.8	<0.002	<0.006	<0.006	8.7	0.0062	2.1	<0.01	<0.005	<0.0002	0.00078	0.014
	06/09/15	200.7/200.8	0.0034	2.4	<0.002	0.0065	<0.006	8.1	0.0042	2.2	0.0045	<0.005	<0.0002	<0.0005	0.015
	03/11/15	200.7/200.8	0.0032	2.1	<0.002	<0.006	<0.006	5.6	0.002	1.9	0.0056	<0.005	<0.0002	<0.001	<0.01
MKTf-2	06/06/14	200.7/200.8	0.007	4.7	<0.002	0.035	0.038	35	0.074	4.1	0.0091	<0.005	<0.0002	<0.005	0.078
	11/28/18	200.7/200.8	0.0019	0.44	<0.002	<0.006	<0.006	0.24	0.00059	0.74	<0.001	0.0029	NA	NA	0.0035
	08/20/18	200.7/200.8	0.003	0.27	<0.002	<0.006	<0.006	0.2	0.00051	0.52	<0.001	0.002	<0.0002	0.038	0.0044
	05/01/18	200.7/200.8	0.0025	0.26	<0.002	<0.006	<0.0006	0.36	0.00065	0.62	<0.005	<0.005	0.000053	0.023	<0.01
	02/06/18	200.7/200.8	<0.005	0.28	<0.002	<0.006	<0.006	0.57	0.0009	0.61	<0.01	0.0016	0.000075	0.032	<0.01
	11/20/17	200.7/200.8	0.0034	0.26	<0.002	<0.006	<0.006	0.23	0.00062	0.6	<0.005	<0.005	<0.0002	0.036	<0.01
MKTf-4	10/03/17	200.7/200.8	0.0054	0.34	<0.002	<0.006	0.004	3	0.002	0.91	0.0056	<0.005	<0.0002	NA	0.0085
	03/16/17	200.7/200.8	0.004	0.35	<0.002	<0.006	<0.006	1.4	0.0017	0.74	0.0082	<0.005	<0.0002	0.024	0.0063
	11/20/18	200.7/200.8	0.011	4.1	<0.002	<0.006	<0.006	5.1	0.00039	2.3	<0.001	0.0034	<0.0002	NA	0.0057
	09/04/18	200.7/200.8	0.014	2.9	<0.002	<0.006	<0.006	5.7	0.00055	1.4	<0.001	0.0022	<0.0002	0.0041	0.0054
	05/02/18	200.7/200.8	0.013	3	<0.002	<0.006	0.0042	5.3	0.001	1.7	<0.001	0.0013	<0.0002	0.004	0.0062
	02/14/18	200.7/200.8	0.0069	2.8	<0.002	<0.006	<0.006	5.2	0.0007	1.5	0.0083	0.0021	<0.0002	0.0042	<0.01
	11/28/17	200.7/200.8	0.015	3.5	<0.002	<0.006	<0.006	7	0.00041	1.3	0.0062	0.0013	NA	0.0019	<0.01
	09/26/17	200.7/200.8	0.019	3.8	<0.002	<0.006	<0.006	9.4	0.0018	1.4	0.011	<0.005	<0.0002	NA	0.0045
MKTf-9	06/08/17	200.7/200.8	0.011	3	<0.002	<0.006	<0.006	5	0.0012	1.5	0.012	<0.005	0.000067	0.0035	0.005
	03/02/17	200.7/200.8	0.012	3.2	<0.002	<0.006	<0.006	8.2	0.0019	1.5	0.01	<0.005	0.00015	NA	0.0087
	11/28/18	200.7/200.8	0.0023	0.52	<0.002	<0.006	<0.006	1.9	0.0008	3.9	<0.001	0.0048	NA	NA	<0.01
	09/04/18	200.7/200.8	0.0028	0.57	<0.002	<0.006	<0.006	1.8	0.00072	4.2	<0.001	0.0035	<0.0002	0.004	<0.01
	05/02/18	200.7/200.8	0.003	0.48	<0.002	<0.006	0.0052	2.3	0.0012	4.4	<0.001	0.0017	0.000045	0.0044	<0.05
	02/14/18	200.7/200.8	0.0026	0.5	<0.002	<0.006	<0.006	2.3	0.0012	3.9	0.0041	0.0027	<0.0002	0.0053	<0.01
	11/28/17	200.7/200.8	0.0067	0.65	<0.002	<0.006	<0.006	2.4	0.0014	3.8	<0.01	0.0025	NA	0.005	<0.01
	09/28/17	200.7/200.8	0.004	0.61	<0.002	<0.006	0.0064	5.3	0.0043	4.8	0.0085	<0.005	<0.0002	NA	0.0072
MKTf-10	06/12/17	200.7/200.8	0.0025	0.6	<0.002	<0.006	<0.006	3.5	0.0028	4.5	0.0081	0.00046	<0.0002	NA	0.003
	03/15/17	200.7/200.8	0.0052	0.59	<0.002	<0.006	0.0065	5.2	0.0043	4.4	0.0072	<0.005	<0.0002	0.0036	0.0046
	11/20/18	200.7/200.8	0.011	4.3	<0.002	<0.006	<0.006	8.3	0.0008	3	<0.001	0.0035	<0.0002	NA	0.0037
	09/04/18	200.7/200.8	0.011	4	<0.002	<0.006	<0.006	7.7	0.00053	2.8	<0.001	0.0028	<0.0002	0.00021	<0.01
	05/02/18	200.7/200.8	0.0088	4.7	<0.002	<0.006	<0.006	11	0.00034	3.9	<0.001	<0.005	0.000059	0.00011	<0.01
	02/14/18	200.7/200.8	0.008	4.5	<0.002	<0.006	<0.006	12	0.0013	3.6	0.0034	0.0025	<0.0002	0.00035	0.005
	11/28/17	200.7/200.8	0.0099	4.2	<0.002	<0.006	<0.006	9.8	0.00093	3	<0.01	0.0017	NA	<0.005	<0.01
	09/28/17	200.7/200.8	0.007	4.1	<0.002	<0.006	0.0038	9	0.001	3	0.004	<0.005	<0.0002	NA	<0.01

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTf-11	11/20/18	200.7/200.8	0.013	3.3	<0.002	<0.006	<0.006	5.9	0.00042	4	<0.001	0.0056	<0.0002	NA	0.0058
	09/04/18	200.7/200.8	0.016	2.9	<0.002	<0.006	<0.006	7.4	<0.0025	4	<0.005	0.0041	<0.0002	0.0068	<0.01
	05/02/18	200.7/200.8	0.016	3	<0.002	<0.006	0.0054	7.8	<0.0025	3.8	<0.005	<0.005	<0.0002	0.0042	<0.01
	02/08/18	200.7/200.8	0.012	2.6	<0.002	<0.006	<0.006	7.4	0.00066	3	0.0039	0.003	0.000071	0.0047	0.0043
	11/28/17	200.7/200.8	0.016	3	<0.002	<0.006	<0.006	7.6	<0.0025	3.2	<0.005	0.0019	NA	0.0054	<0.01
	09/26/17	200.7/200.8	0.013	3.1	<0.002	<0.006	<0.006	12	0.0034	3.3	0.0063	<0.005	<0.0002	NA	0.0086
	06/08/17	200.7/200.8	0.014	2.2	<0.002	<0.006	<0.006	6.1	0.00084	2.7	0.0031	<0.005	0.000065	0.003	0.0055
MKTf-13	03/02/17	200.7/200.8	0.019	2.3	<0.002	<0.006	<0.006	6.7	0.00063	3.1	0.0037	<0.005	0.00015	NA	0.0038
	11/28/18	200.7/200.8	0.0044	5.9	<0.002	<0.006	<0.006	16	0.0008	4.4	<0.001	0.006	NA	NA	<0.01
	08/30/18	200.7/200.8	0.0047	5.8	<0.002	<0.006	<0.006	19	0.00063	4.7	<0.001	0.0042	0.000038	0.00029	0.0068
	05/10/18	200.7/200.8	0.0027	5.7	<0.002	<0.006	<0.006	17	0.00067	4.6	0.0031	0.0038	0.000046	0.00043	<0.01
MKTf-15	03/15/17	200.7/200.8	0.0056	5	<0.002	<0.006	<0.006	18	0.0021	4.1	0.0075	<0.005	<0.0002	0.00073	0.0048
	08/28/18	200.7/200.8	0.0035	26	<0.002	<0.006	<0.006	36	<0.0025	13	<0.005	0.019	0.000062	<0.0025	0.0045
	05/02/18	200.7/200.8	0.016	33	<0.002	<0.006	0.0075	53	0.0044	18	<0.01	0.0077	<0.0002	<0.005	0.01
	11/28/17	200.7/200.8	0.024	47	<0.002	<0.0006	<0.006	78	0.0037	25	0.0079	0.012	NA	<0.0025	<0.01
	06/08/17	200.7/200.8	0.0072	33	<0.002	0.0011	<0.006	65	0.0098	14	0.0081	<0.005	0.000074	0.0015	0.032
MKTf-16	03/02/17	200.7/200.8	0.0045	29	<0.002	<0.006	<0.006	49	0.0097	9.6	0.0058	<0.005	0.00015	NA	0.027
	11/29/18	200.7/200.8	0.018	1.4	<0.002	<0.006	0.0065	4.1	0.0021	1.5	<0.001	0.0027	0.000065	NA	0.023
	08/31/18	200.7/200.8	0.019	1.9	<0.002	<0.006	<0.006	3.6	0.0019	1.7	<0.005	0.0016	<0.0002	0.0074	0.014
	05/11/18	200.7/200.8	0.012	2.3	<0.002	0.0031	0.0069	4.3	0.0037	1.9	0.0046	0.0015	<0.0002	0.0093	0.026
	02/15/18	200.7/200.8	0.0071	1.6	<0.002	0.023	0.078	18	0.025	0.8	0.0025	<0.005	0.00044	0.006	0.29
	11/29/17	200.7/200.8	0.019	2.9	<0.002	<0.006	<0.006	5.2	0.0012	2.3	0.011	0.0015	NA	0.0066	0.0079
	09/26/17	200.7/200.8	0.016	2.7	<0.002	<0.002	0.0021	8.6	0.002	2.6	0.019	<0.005	0.000058	NA	0.0096
MKTf-17	06/08/17	200.7/200.8	0.019	2.2	<0.002	0.0018	0.0022	3.4	0.0033	1.6	0.014	<0.005	0.000054	0.015	0.016
	03/14/17	200.7/200.8	0.014	1.9	<0.002	<0.006	0.0054	6.3	0.0058	1.7	0.0081	<0.005	NA	0.0024	0.025
	11/28/18	200.7/200.8	0.0066	0.46	<0.002	<0.006	<0.006	2	0.00042	2.2	<0.001	0.0032	NA	NA	0.0036
	08/24/18	200.7/200.8	0.007	0.42	<0.002	<0.006	0.0049	1.7	0.00036	2.4	<0.001	0.0029	0.000064	0.0061	0.0042
	05/04/18	200.7/200.8	0.0071	0.45	<0.002	<0.006	<0.006	1.8	0.00026	2.8	<0.001	0.0015	<0.0002	0.005	0.004
	02/16/18	200.7/200.8	0.0021	0.44	<0.002	<0.006	<0.006	1.7	<0.0005	2.6	0.0085	0.0014	<0.0002	0.0055	<0.01
	12/01/17	200.7/200.8	0.0041	0.62	<0.002	<0.006	<0.006	1.9	0.00065	2.3	<0.01	0.0013	<0.0002	0.0046	<0.01
MKTf-18	09/26/17	200.7/200.8	0.008	0.77	<0.002	<0.006	<0.006	4.2	0.0014	2.9	0.0056	<0.005	<0.0002	NA	0.0044
	06/14/17	200.7/200.8	0.008	0.56	<0.002	0.0022	<0.006	3.8	0.0032	2.5	0.0029	<0.005	<0.0002	NA	0.03
	03/15/17	200.7/200.8	0.0078	0.76	<0.002	<0.006	0.0052	6.5	0.0026	2.8	0.0035	<0.005	<0.0002	0.0057	0.0059
	11/28/18	200.7/200.8	0.0018	1.4	<0.002	0.0048	0.0032	2.5	0.00042	1.9	<0.0005	0.0028	NA	NA	0.004
	08/24/18	200.7/200.8	0.0024	2	<0.002	<0.006	0.0044	2.9	0.00042	2.2	<0.001	0.0028	0.000082	0.00064	0.0034
MKTf-19	05/04/18	200.7/200.8	0.0021	2.1	<0.002	<0.006	<0.006	1.9	0.00051	2.2	<0.003	0.0014	<0.0002	0.00074	0.0051
	02/16/18	200.7/200.8	0.0023	2.2	<0.002	<0.006	<0.006	3.3	0.0028	2.1	0.003	0.0013	<0.0002	0.001	0.015
	06/14/17	200.7/200.8	<0.005	2.4	<0.002	0.0048	0.0032	7	0.0088	2.3	0.0041	<0.005	<0.0002	NA	0.02
	03/01/17	200.7/200.8	0.003	2.2	<0.002	<0.006	<0.006	4.9	0.0047	2.1	0.0039	<0.005	0.00015	NA	0.012
	11/28/18	200.7/200.8	0.012	1.9	<0.002	0.0043	<0.006	7.5	0.0051	2.4	<0.001	0.002	NA	NA	0.02
	08/24/18	200.7/200.8	0.014	2.1	<0.002	0.0019	0.0055	15	0.016	2.4	<0.001	0.0029	<0.0002	0.0034	0.033
	05/04/18	200.7/200.8	0.014	1.8	<0.002	<0.006	<0.006	11	0.0047	2.4	<0.001	0.0015	<0.0002	0.00073	0.0063
MKTf-20	02/16/18	200.7/200.8	0.01	1.7	<0.002	<0.006	<0.006	10	0.0058	2.3	0.0029	0.0018	<0.0002	0.0012	0.012
	12/01/17	200.7/200.8	0.0077	2	<0.002	<0.006	0.0056	14	0.01	2.3	<0.01	<0.005	<0.0002	0.0016	0.011
	09/26/17	200.7/200.8	0.015	2.4	<0.002	0.012	0.015	20	0.026	3.4	0.0077	<0.005	0.000042	NA	0.062
	06/14/17	200.7/200.8	0.014	2.2	<0.002	0.0059	0.01	17	0.022	3.3	<0.01	<0.005	0.000045	NA	0.1
	03/15/17	200.7/200.8	0.018	2.3	<0.002	0.0075	0.018	20	0.033	3.3	0.012	<0.005	<0.0002	0.0071	0.1
	11/29/18	200.7/200.8	0.025	5.5	<0.002	<0.006	0.095	8	0.0047	2.6	<0.001	0.0045	0.000049	NA	0.26
	08/31/18	200.7/200.8	0.028	4	<0.002	<0.006	0.021	5.8	0.0054	3	<0.001	0.0041	<0.0002	0.0017	0.019
MKTf-20	05/11/18	200.7/200.8	0.028	9	<0.002	<0.006	0.027	16	0.0088	5.5	0.012	0.0057	<0.0002	0.0052	0.023
	02/15/18	200.7/200.8	0.016	32	<0.002	<0.006	0.029	52	0.0073	16	0.01	0.011	<0.0002	0.0031	0.029

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTFF-20	11/29/17	200.7/200.8	0.025	9.3	<0.002	<0.006	0.045	15	0.0086	2.9	0.0096	0.0018	NA	0.0025	0.06
	09/26/17	200.7/200.8	0.026	7.6	<0.002	0.0022	0.11	19	0.0083	3.9	0.033	<0.005	<0.0002	NA	0.35
	06/12/17	200.7/200.8	0.022	7.5	<0.002	<0.006	0.02	17	0.012	4.1	0.035	<0.005	<0.0002	NA	0.02
	03/14/17	200.7/200.8	0.025	11	<0.002	<0.006	0.036	22	0.013	6.3	0.018	NA	<0.0002	0.00085	0.097
MKTFF-21	11/29/18	200.7/200.8	0.02	4.3	<0.002	<0.006	0.022	29	0.003	4.1	<0.001	0.0037	<0.0002	NA	0.27
	08/31/18	200.7/200.8	0.023	4.1	<0.002	<0.006	<0.006	18	0.0014	3.7	<0.001	0.0024	0.000042	0.002	0.015
	05/11/18	200.7/200.8	0.022	4	<0.005	<0.006	0.013	43	0.0023	5.9	0.0057	<0.005	0.000041	0.0038	0.11
	02/15/18	200.7/200.8	0.016	2.9	<0.002	<0.006	0.013	20	0.0018	5	0.0087	<0.005	<0.0002	0.0055	0.12
	11/28/17	200.7/200.8	0.023	4.4	<0.002	<0.006	0.0061	21	0.0013	4.9	0.0056	<0.005	NA	0.0047	0.07
	09/26/17	200.7/200.8	0.01	2.8	<0.002	<0.006	0.0032	7.9	0.001	4	0.0098	<0.005	<0.0002	NA	0.091
	06/21/17	200.7/200.8	0.018	4.1	<0.002	<0.006	0.01	43	0.0065	6.9	0.023	<0.005	<0.0002	0.0011	0.069
MKTFF-22	03/14/17	200.7/200.8	0.016	3.6	<0.002	<0.006	0.0052	29	0.0035	5.6	0.0064	<0.005	<0.0002	0.0013	0.045
	11/28/18	200.7/200.8	0.0019	1.4	<0.002	0.0023	<0.006	12	0.0037	2.5	<0.001	0.003	NA	NA	0.0077
	08/30/18	200.7/200.8	0.002	1.3	<0.002	<0.006	<0.006	7.4	0.002	2.5	<0.001	0.0024	0.000049	0.0024	0.0059
	05/10/18	200.7/200.8	0.00091	1.3	<0.002	<0.006	<0.006	4.4	0.00043	2.5	0.0013	0.0028	0.000047	0.0023	<0.01
	02/08/18	200.7/200.8	0.0025	1.4	<0.002	<0.006	<0.006	8.3	0.0039	2.5	0.0021	0.0026	0.000093	0.0026	0.0078
	11/28/17	200.7/200.8	<0.02	1.5	<0.002	<0.006	0.0043	7.9	0.0048	2.6	<0.005	0.0017	NA	0.0026	0.008
	10/03/17	200.7/200.8	0.0024	1.8	<0.002	0.017	0.017	25	0.027	3	0.0022	<0.005	<0.0002	NA	0.034
MKTFF-23	06/08/17	200.7/200.8	0.0016	1.3	<0.002	0.0075	0.0061	10	0.01	2.4	0.0019	<0.005	0.000066	0.0033	0.015
	03/08/17	200.7/200.8	0.0041	2	<0.002	0.01	0.015	17	0.029	3.3	0.0067	<0.005	<0.0002	NA	0.032
	06/10/16	200.7/200.8	0.013	0.8	<0.002	0.0029	<0.006	4.1	0.0094	1.7	0.0094	<0.005	<0.0002	0.0056	0.016
	02/25/16	200.7/200.8	0.0094	0.67	<0.002	<0.006	<0.006	3.8	0.0025	1.6	0.0035	<0.005	<0.0002	0.0027	0.0054
	11/10/15	200.7/200.8	0.013	0.66	<0.002	<0.006	<0.006	0.29	0.0009	1.4	<0.02	<0.005	<0.0002	0.037	<0.01
	08/21/15	200.7/200.8	0.014	0.9	<0.002	0.0062	0.008	5.4	0.0088	1.7	<0.005	<0.005	<0.0002	0.032	0.022
	06/09/15	200.7/200.8	0.011	0.83	<0.002	<0.006	0.012	5.4	0.0093	1.6	<0.005	<0.005	<0.0002	0.011	0.027
MKTFF-24	03/12/15	200.7/200.8	0.013	0.64	<0.002	<0.006	<0.006	5.2	0.0035	1.8	0.01	<0.005	<0.0002	0.0062	0.011
	11/17/14	200.7/200.8	0.011	0.49	<0.002	<0.006	<0.006	6.2	0.005	1.6	0.0067	<0.005	<0.0002	0.016	0.035
	11/15/18	200.7/200.8	0.0026	0.28	<0.002	<0.006	0.0048	0.7	0.0018	2	<0.001	0.0038	0.000042	0.012	0.0037
	08/20/18	200.7/200.8	0.0029	0.27	<0.002	0.002	<0.006	1.2	0.0032	1.8	<0.001	0.0029	<0.0002	0.016	0.013
	05/01/18	200.7/200.8	0.003	0.27	<0.2	<0.006	<0.006	1.3	0.0026	2.1	<0.005	<0.005	0.000061	0.015	0.006
	02/06/18	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	0.78	0.0027	2.2	<0.01	0.0023	0.000087	0.016	0.011
	11/20/17	200.7/200.8	0.0028	0.26	<0.002	<0.006	0.0048	1.4	0.0031	2.1	<0.005	0.0017	<0.0002	0.014	<0.01
MKTFF-25	10/03/17	200.7/200.8	0.0039	0.42	<0.002	0.009	0.0084	8.3	0.011	1.8	0.0052	<0.005	<0.0002	NA	0.019
	06/05/17	200.7/200.8	0.0029	0.27	<0.002	0.0021	0.0035	1.9	0.0037	2.1	0.0053	<0.005	0.000045	0.017	0.0055
	03/29/17	200.7/200.8	0.006	1.4	<0.002	0.0028	0.037	24	0.043	3.9	0.01	<0.005	0.00013	0.03	0.061
	11/15/18	200.7/200.8	0.0058	0.46	<0.002	0.1	0.017	2.9	0.0037	3.1	<0.001	0.0035	0.0001	0.055	0.01
	08/17/18	200.7/200.8	0.0055	0.48	<0.002	0.0033	0.011	12	0.0063	3	<0.005	0.0023	0.000049	0.029	0.013
	05/06/18	200.7/200.8	0.0053	0.33	<0.002	<0.06	0.0056	2.6	0.0021	2.7	<0.001	0.0015	0.000062	0.028	0.0039
	02/05/18	200.7/200.8	0.0035	0.42	<0.002	<0.006	0.012	4.3	0.0062	3.2	<0.01	0.0036	0.000067	0.028	0.011
MKTFF-26	11/21/17	200.7/200.8	0.004	0.34	<0.002	0.0032	0.016	4.5	0.0053	2.7	<0.005	<0.005	<0.0002	0.026	0.0086
	09/25/17	200.7/200.8	0.0052	0.38	<0.002	0.0048	0.0098	4.1	0.0057	2.8	0.0061	<0.005	0.00004	NA	0.0086
	06/05/17	200.7/200.8	0.0047	0.28	<0.002	0.0052	0.008	4.8	0.007	2.9	0.0034	<0.005	0.000056	0.032	0.0084
	03/29/17	200.7/200.8	0.0059	0.58	<0.002	0.0091	0.019	8.7	0.02	3.7	0.005	<0.005	0.00007	0.028	0.021
	06/09/16	200.7/200.8	0.005	0.75	<0.002	0.011	0.028	20	0.03	1.6	0.0061	<0.005	0.00021	0.099	0.073
	02/22/16	200.7/200.8	0.0025	0.23	<0.002	0.0034	0.011	64	0.009	1.1	0.0029	<0.005	0.00014	0.089	0.029
	11/04/15	200.7/200.8	0.005	0.26	<0.002	<0.006	0.016	9.8	0.013	1.3	<0.05	<0.005	<0.0002	0.059	0.04
MKTFF-27	08/20/15	200.7/200.8	0.0053	0.23	<0.002	<0.006	0.01	5.4	0.0067	1.4	0.0062	<0.005	<0.0002	0.092	0.022
	06/10/15	200.7/200.8	<0.005	0.18	<0.002	<0.006	<0.006	2.7	0.003	1.3	<0.005	<0.005	<0.0002	0.054	0.015
	03/11/15	200.7/200.8	0.004	0.2	<0.002	<0.006	<0.006	3.1	0.0029	1.3	0.0047	<0.005	<0.0002	0.045	0.012
	11/14/14	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	1.3	<0.005	1.4	<0.01	<0.005	<0.0002	0.077	0.014
	11/15/18	200.7/200.8	0.0039	0.076	<0.002	<0.006	<0.006	1.2	0.0015	0.42	<0.001	0.0067	0.00004	0.036	0.0072

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTf-27	08/20/18	200.7/200.8	0.004	0.17	<0.002	0.0042	0.0082	6.7	0.0065	1.2	<0.005	0.0058	0.000074	0.035	0.025
	05/01/18	200.7/200.8	0.008	0.14	<0.002	<0.006	0.0092	3.4	0.0029	0.69	<0.01	0.0074	0.000074	0.037	0.014
	02/06/18	200.7/200.8	<0.005	0.16	<0.002	0.0026	0.0074	4.1	0.0041	0.52	<0.01	0.0032	0.000094	0.038	0.024
	11/20/17	200.7/200.8	0.003	0.19	<0.002	<0.006	0.0084	6.1	0.0057	0.92	<0.01	0.0021	<0.0002	0.052	0.017
	10/03/17	200.7/200.8	0.0048	0.1	<0.002	0.0019	0.0038	2.1	0.0024	0.4	0.013	<0.005	<0.0002	NA	0.013
	06/05/17	200.7/200.8	0.0042	0.15	<0.002	0.004	0.0029	4.8	0.0053	0.63	0.011	<0.005	0.000056	0.07	0.017
MKTf-28	03/29/17	200.7/200.8	0.015	0.26	<0.002	0.0054	<0.006	9.8	0.0096	1.5	0.022	<0.005	0.000071	0.097	0.032
	11/15/18	200.7/200.8	0.0017	0.071	<0.002	<0.006	<0.006	1	0.00095	0.069	<0.001	<0.005	<0.0002	0.14	0.0061
	08/20/18	200.7/200.8	0.0024	0.077	<0.002	0.0024	<0.006	4.4	0.0029	0.15	<0.001	<0.005	<0.0002	0.14	0.013
	05/01/18	200.7/200.8	0.0024	0.082	<0.002	<0.006	<0.006	2.6	0.0022	0.13	<0.005	<0.005	0.000075	0.15	0.016
	02/06/18	200.7/200.8	<0.005	0.08	<0.002	<0.006	0.0049	1.6	0.00019	0.093	<0.01	<0.005	0.000081	0.15	0.015
	11/20/17	200.7/200.8	<0.01	0.054	<0.002	<0.006	<0.006	0.14	<0.0005	0.091	<0.01	<0.005	NA	0.13	0.0045
MKTf-29	10/03/17	200.7/200.8	0.0051	0.07	<0.002	<0.006	0.004	1.4	0.0015	0.11	0.011	<0.005	<0.0002	NA	0.008
	06/05/17	200.7/200.8	0.0048	0.076	<0.002	<0.006	0.0032	1.6	0.0016	0.078	0.012	<0.005	<0.0002	0.16	0.0057
	03/29/17	200.7/200.8	0.0089	0.36	<0.002	0.0093	0.013	21	0.025	0.89	0.014	<0.005	0.000088	0.16	0.079
	11/15/18	200.7/200.8	0.0015	0.037	<0.002	<0.006	0.0051	0.24	0.00023	0.47	<0.001	0.0023	<0.0002	0.0081	0.0034
	08/20/18	200.7/200.8	0.002	0.15	<0.002	0.004	0.0078	4.5	0.0023	0.6	<0.001	0.0018	<0.0002	0.0085	0.012
	05/01/18	200.7/200.8	0.0021	0.15	<0.002	0.0031	0.0052	3.7	0.0017	0.55	<0.005	<0.005	0.00006	0.0084	0.01
MKTf-30	02/06/18	200.7/200.8	0.00014	0.17	<0.002	0.0052	0.0072	3.9	0.0025	0.65	<0.01	<0.005	0.0001	0.01	0.014
	11/20/17	200.7/200.8	0.0023	0.32	<0.002	<0.006	0.012	8	0.006	1.1	0.0023	<0.005	<0.0002	0.0094	0.016
	10/03/17	200.7/200.8	0.002	0.11	<0.002	0.0036	0.0048	2.9	0.0021	0.73	0.0027	<0.005	<0.0002	NA	0.0085
	06/05/17	200.7/200.8	0.0022	0.22	<0.002	0.0073	0.0075	5.5	0.0038	0.74	0.0033	<0.005	0.000057	0.012	0.011
	03/29/17	200.7/200.8	0.0019	0.1	<0.002	0.004	0.0034	2.8	0.0016	0.47	0.0022	<0.005	<0.0002	0.012	0.0059
	11/15/18	200.7/200.8	0.0012	0.048	<0.002	<0.006	<0.006	0.75	0.00076	0.19	<0.001	0.0019	<0.0002	0.028	0.0048
MKTf-31	08/20/18	200.7/200.8	0.0015	0.057	<0.002	0.0021	<0.006	2.4	0.0011	0.15	<0.001	<0.005	0.000045	0.031	0.0069
	05/01/18	200.7/200.8	0.0023	0.11	<0.002	0.0041	0.0047	5.1	0.0029	0.14	<0.005	<0.005	0.000083	0.039	0.014
	02/06/18	200.7/200.8	0.0017	0.087	<0.002	0.003	0.0051	2.8	0.0025	0.12	<0.005	<0.005	0.00007	0.03	0.011
	11/20/17	200.7/200.8	0.0025	0.081	<0.002	0.002	0.006	2.5	0.0021	0.21	<0.005	<0.005	<0.0002	0.031	0.021
	10/03/17	200.7/200.8	0.0023	0.18	<0.002	0.0075	0.0068	7.1	0.007	0.66	0.0036	<0.005	<0.0002	NA	0.018
	06/05/17	200.7/200.8	0.0024	0.26	<0.002	0.0077	0.006	8.5	0.007	0.38	0.0035	<0.005	0.00006	0.044	0.017
MKTf-32	03/29/17	200.7/200.8	0.0035	0.33	<0.002	0.0078	0.0043	7.9	0.0093	0.5	0.0073	<0.005	0.000042	0.033	<0.01
	11/15/18	200.7/200.8	0.0023	0.21	<0.002	0.0019	<0.006	4.1	0.0046	0.16	<0.001	0.0038	0.000062	0.042	0.013
	08/17/18	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	2	<0.0025	0.098	<0.005	0.0033	0.000067	0.038	0.0048
	05/06/18	200.7/200.8	0.0021	0.13	<0.002	<0.006	<0.006	0.77	0.00061	0.053	<0.005	0.0025	0.000041	0.044	0.0034
	02/05/18	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	2	0.0021	0.097	<0.005	0.0052	0.000054	0.044	0.0068
	11/21/17	200.7/200.8	0.0021	0.14	<0.002	<0.006	0.0044	2	0.0018	0.083	<0.005	0.0018	<0.0002	0.039	<0.01
MKTf-33	09/25/17	200.7/200.8	0.0025	0.17	<0.002	0.0023	<0.006	1.3	0.0023	0.14	0.0081	<0.005	<0.0002	NA	0.0043
	06/05/17	200.7/200.8	0.0026	0.16	<0.002	0.0019	<0.006	1.3	0.0014	0.053	0.0069	<0.005	0.000059	0.051	0.0052
	03/07/17	200.7/200.8	0.0049	0.25	<0.002	0.0027	<0.006	3.8	0.005	0.19	0.011	<0.005	<0.0002	NA	0.013
	11/15/18	200.7/200.8	0.0026	0.07	<0.002	<0.006	0.0042	0.81	0.00099	0.1	<0.001	<0.005	0.000047	0.055	0.0068
	08/28/18	200.7/200.8	0.0032	0.12	<0.002	<0.006	0.0083	2.9	0.0023	0.11	<0.001	<0.005	0.000083	0.055	0.014
	05/09/18	200.7/200.8	0.0029	0.055	<0.002	<0.006	0.0049	0.51	0.00043	0.06	<0.001	<0.005	0.000058	0.058	<0.01
MKTf-34	02/07/18	200.7/200.8	<0.005	0.1	<0.002	0.0031	0.0064	2.1	0.0019	0.11	<0.01	<0.005	0.000096	0.06	0.013
	11/27/17	200.7/200.8	<0.005	0.067	<0.002	<0.006	0.0042	0.75	<0.0025	0.079	<0.005	<0.005	<0.0002	0.058	<0.01
	09/25/17	200.7/200.8	0.0035	0.1	<0.002	0.0035	<0.006	2.2	0.0021	0.15	0.0045	0.0013	0.000069	NA	<0.01
	06/06/17	200.7/200.8	0.0046	0.22	<0.002	0.0064	0.011	6.4	0.0055	0.23	0.0063	<0.005	0.000068	0.065	0.024
	03/07/17	200.7/200.8	0.0046	0.055	<0.002	<0.006	<0.006	0.51	0.00083	0.08	0.0091	<0.005	<0.0002	NA	0.003
	11/28/18	200.7/200.8	0.001	0.13	<0.002	<0.006	0.0045	2.7	0.0019	0.45	<0.001	0.0024	NA	NA	0.007
MKTf-35	08/30/18	200.7/200.8	0.0012	0.12	<0.002	<0.006	<0.006	3.1	0.0019	0.42	<0.001	<0.005	0.000047	0.032	0.0091
	05/10/18	200.7/200.8	0.00059	0.1	<0.002	<0.006	<0.006	1.6	0.0016	0.22	<0.001	0.0017	0.000064	0.034	0.0043
	02/08/18	200.7/200.8	0.0018	0.15	<0.002	0.002	<0.006	4	0.0037	0.41	0.0015	0.0017	0.000098	0.035	0.011

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKT-33	11/28/17	200.7/200.8	<0.02	0.18	<0.002	<0.006	0.0045	3	0.0036	0.39	0.0011	<0.005	NA	0.033	0.0095
	09/25/17	200.7/200.8	<0.005	0.22	<0.002	0.0058	<0.006	4.4	0.0046	0.6	<0.005	<0.005	<0.0002	NA	0.012
	06/08/17	200.7/200.8	0.002	0.49	<0.002	0.01	0.0062	9.8	0.013	0.83	0.003	<0.005	0.000081	0.037	0.028
	03/08/17	200.7/200.8	0.0024	0.13	<0.002	<0.006	<0.006	3.6	0.0027	0.41	0.0054	<0.005	<0.0002	NA	0.0067
MKT-34	11/28/18	200.7/200.8	0.0012	0.053	<0.002	<0.006	<0.006	0.63	0.00048	0.013	0.0022	0.0016	NA	NA	0.0079
	08/24/18	200.7/200.8	0.0016	0.06	<0.002	<0.006	<0.006	0.83	0.00073	0.022	0.0024	0.0022	0.0004	0.03	0.012
	05/04/18	200.7/200.8	0.0015	0.049	<0.002	<0.006	<0.006	0.34	0.00033	0.0078	0.0027	<0.005	0.00015	0.037	0.0068
	02/16/18	200.7/200.8	0.0044	0.083	<0.002	<0.006	<0.006	2.2	0.0023	0.045	0.0053	<0.005	0.00021	0.038	0.018
	12/01/17	200.7/200.8	0.0016	0.093	<0.002	<0.006	<0.006	2.2	0.0022	0.039	0.0063	<0.005	0.000041	0.038	0.012
	09/26/17	200.7/200.8	0.004	0.12	<0.002	0.0032	0.0033	3.8	0.0018	0.086	0.012	<0.005	0.00012	NA	0.032
	06/14/17	200.7/200.8	0.0019	0.099	<0.002	0.0016	<0.006	1.6	0.0017	0.037	0.011	<0.005	0.00005	NA	0.015
MKT-35	03/01/17	200.7/200.8	0.0034	0.11	<0.002	<0.006	<0.006	1.8	0.002	0.049	0.011	NA	0.00018	NA	0.018
	11/28/18	200.7/200.8	0.0019	1.1	<0.002	0.0027	<0.006	6.7	0.0031	3	<0.001	0.0033	NA	NA	0.0074
	08/23/18	200.7/200.8	0.0027	1.2	<0.002	<0.006	<0.006	5.6	0.0037	3.4	<0.001	0.0031	0.000099	0.0034	0.0084
	05/03/18	200.7/200.8	0.0036	2.2	<0.002	0.0036	0.0059	8.5	0.0073	4	<0.001	0.0016	0.000055	0.0038	0.014
	02/15/18	200.7/200.8	0.0037	1.3	<0.002	<0.006	<0.006	6.2	0.0045	3.4	0.0041	0.0023	<0.0002	0.0034	0.012
	11/30/17	200.7/200.8	0.00075	1.6	<0.002	<0.006	<0.006	6.9	0.005	3.6	<0.005	0.0018	0.00004	0.0028	<0.01
	09/27/17	200.7/200.8	0.0035	5.2	<0.002	0.014	0.013	14	0.017	5	0.0057	<0.005	0.000054	NA	0.027
MKT-36	06/14/17	200.7/200.8	0.0023	3.9	<0.002	0.0088	0.0097	11	0.013	4.4	0.0075	<0.005	0.000045	NA	0.022
	03/01/17	200.7/200.8	0.0021	1.9	<0.002	0.0055	<0.006	8.6	0.0087	4.3	0.0029	<0.005	0.00015	NA	0.016
	09/05/18	200.7/200.8	0.016	5.8	<0.002	<0.006	<0.006	12	0.0064	1.6	<0.001	0.002	0.000038	0.00035	0.031
	05/03/18	200.7/200.8	0.012	5.9	<0.002	<0.006	<0.006	13	0.0051	1.9	<0.001	<0.005	0.000052	0.00019	0.016
	02/15/18	200.7/200.8	0.0087	6.4	<0.002	<0.006	<0.006	15	0.0053	1.8	0.0028	<0.005	<0.0002	0.00016	0.01
	11/30/17	200.7/200.8	0.0097	6.6	<0.002	<0.006	<0.006	17	0.0055	1.7	<0.01	<0.005	<0.0002	<0.005	0.052
	09/27/17	200.7/200.8	0.018	5.3	<0.002	0.0053	0.012	20	0.018	2	0.0035	<0.005	0.000047	NA	0.15
MKT-37	06/14/17	200.7/200.8	0.012	4.7	<0.002	<0.006	<0.006	16	0.0084	1.9	0.0044	<0.005	<0.0002	NA	0.076
	03/01/17	200.7/200.8	0.013	5.8	<0.002	<0.006	<0.006	17	0.0092	2.1	0.0032	<0.005	0.00015	NA	0.066
	08/23/18	200.7/200.8	0.0024	0.84	<0.002	<0.006	0.012	4.8	0.013	0.49	<0.001	<0.005	0.00012	0.019	0.018
	05/03/18	200.7/200.8	0.0027	1.2	<0.002	<0.006	0.014	3.4	0.0046	0.72	<0.001	<0.005	0.000094	0.013	0.0054
	03/01/17	200.7/200.8	0.004	1.3	<0.002	<0.006	0.0038	11	0.027	1.5	0.0034	<0.005	0.00019	NA	0.027

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTf-38	11/20/18	200.7/200.8	0.0015	0.063	<0.002	<0.006	<0.006	0.23	0.00028	2.8	0.0019	0.0056	<0.0002	NA	<0.01
	08/21/18	200.7/200.8	0.0029	0.18	<0.002	0.0018	<0.006	2.8	0.0026	3	<0.001	0.005	0.000061	0.028	0.011
	05/03/18	200.7/200.8	0.0025	0.082	<0.002	<0.006	<0.006	1.6	0.0015	2.4	<0.001	0.002	0.000045	0.027	0.0058
	02/12/18	200.7/200.8	0.0046	0.21	<0.002	<0.006	0.0053	2.9	0.0036	1.8	0.0058	0.0022	0.00017	0.031	0.0089
	11/30/17	200.7/200.8	0.00069	0.1	<0.002	<0.006	<0.006	1.7	0.0019	1.9	0.003	0.0021	<0.0002	0.027	<0.01
	09/28/17	200.7/200.8	0.0025	0.21	<0.002	0.005	0.0064	3.5	0.0039	2.3	0.0047	<0.005	<0.0002	NA	0.01
	06/21/17	200.7/200.8	0.0023	0.36	<0.002	0.0056	0.0067	6.6	0.0077	2.7	0.0032	<0.005	0.000041	0.026	0.019
MKTf-39	03/14/17	200.7/200.8	0.0022	0.31	<0.002	<0.006	0.0031	5.8	0.0072	2.9	0.0041	<0.005	<0.0002	0.017	0.018
	11/20/18	200.7/200.8	0.0021	13	<0.002	<0.006	0.0057	12	0.0044	2.6	<0.001	0.0052	<0.0002	NA	0.011
	08/21/18	200.7/200.8	0.0029	11	<0.002	<0.006	0.0048	12	0.0033	2.2	<0.05	0.0043	0.000067	0.00055	0.0065
	05/06/18	200.7/200.8	0.0022	6.6	<0.002	<0.006	0.006	8.1	0.004	1.4	<0.005	<0.005	0.000052	<0.0025	0.012
	02/08/18	200.7/200.8	0.0027	26	<0.002	<0.006	<0.006	24	0.0047	4.2	0.011	0.0066	0.000074	0.00035	0.0034
	11/28/17	200.7/200.8	0.0072	13	<0.002	<0.006	0.0066	13	0.0039	1.9	0.0061	0.0019	NA	<0.0025	0.0064
	09/28/17	200.7/200.8	0.0046	35	<0.002	<0.006	0.0021	34	0.0026	5.5	0.016	<0.005	<0.0002	NA	0.0065
MKTf-40	06/08/17	200.7/200.8	0.0042	6.7	<0.002	0.0043	0.0085	12	0.011	1.4	0.0098	<0.005	0.0001	0.00067	0.02
	03/14/17	200.7/200.8	0.0058	6.4	<0.002	0.004	0.0089	11	0.012	1.4	<0.05	<0.005	0.000067	0.0011	0.022
	11/15/18	200.7/200.8	0.0037	0.072	<0.002	<0.006	<0.006	1.2	0.0016	0.025	<0.001	0.0067	0.000042	0.046	0.0055
	08/17/18	200.7/200.8	0.0034	0.11	<0.002	0.0022	0.0059	3.5	0.0031	0.1	<0.005	0.0073	0.000079	0.051	0.011
	05/06/18	200.7/200.8	0.0055	0.18	<0.002	0.0026	0.0048	5.1	0.0059	0.23	<0.005	0.0044	0.000054	0.054	0.17
	02/05/18	200.7/200.8	<0.005	0.17	<0.002	<0.006	0.006	4.3	0.0062	0.2	<0.01	0.011	0.000087	0.054	0.016
	11/21/17	200.7/200.8	<0.005	0.16	<0.002	<0.006	0.0074	4	0.0042	0.18	<0.005	0.0047	<0.0002	0.053	0.0085
MKTf-41	09/25/17	200.7/200.8	0.0022	0.14	<0.002	<0.006	<0.006	2.5	0.0028	0.21	0.0071	<0.005	<0.0002	NA	0.0081
	06/05/17	200.7/200.8	0.0038	0.15	<0.002	0.0018	<0.006	3.7	0.0052	0.13	0.0089	<0.005	0.000066	0.063	0.013
	03/07/17	200.7/200.8	0.0047	0.22	<0.002	<0.006	<0.006	5.3	0.0081	0.2	0.012	<0.005	<0.0002	NA	0.018
	11/15/18	200.7/200.8	0.0022	0.062	<0.002	<0.006	<0.006	0.055	<0.0005	0.0049	0.035	<0.005	0.000051	0.01	0.0035
	08/29/18	200.7/200.8	0.0024	0.11	<0.002	0.0024	0.0064	3.1	0.002	0.078	0.035	<0.005	0.000084	0.014	0.014
	05/09/18	200.7/200.8	0.0026	0.085	<0.002	<0.006	<0.006	1.1	0.001	0.048	0.039	<0.005	0.000057	0.014	0.0044
	02/07/18	200.7/200.8	0.0056	0.11	<0.002	0.0021	<0.006	2.4	0.0026	0.084	0.038	<0.005	0.000085	0.016	0.012
MKTf-42	11/27/17	200.7/200.8	<0.01	0.088	<0.002	<0.006	<0.006	1.3	0.0016	0.05	0.037	<0.005	<0.0002	0.015	<0.01
	09/25/17	200.7/200.8	0.0053	0.092	<0.002	0.0022	<0.006	0.99	0.001	0.031	0.044	<0.005	0.000074	NA	<0.01
	06/06/17	200.7/200.8	0.0063	0.14	<0.002	0.0038	0.004	4.6	0.0048	0.16	0.044	<0.005	0.000049	0.02	0.015
	03/07/17	200.7/200.8	0.0081	0.12	<0.002	<0.006	<0.006	2.1	0.0032	0.1	0.047	<0.005	<0.0002	NA	0.0084
	11/15/18	200.7/200.8	0.0023	0.035	<0.002	<0.006	<0.006	0.039	<0.0005	0.051	0.0015	<0.005	0.000045	0.0092	<0.01
	08/29/18	200.7/200.8	0.0019	0.074	<0.002	<0.006	0.0041	0.47	0.00057	0.15	<0.001	<0.005	0.000074	0.01	0.006
	05/09/18	200.7/200.8	0.002	0.08	<0.002	<0.006	0.0067	0.75	0.0011	0.15	0.0012	<0.005	0.0000067	0.012	0.0085
	02/07/18	200.7/200.8	<0.005	0.08	<0.002	<0.006	0.0046	0.75	0.002	0.22	<0.01	<0.005	0.000073	0.0095	0.0079
	11/27/17	200.7/200.8	0.0025	0.071	<0.002	<0.006	<0.006	0.44	<0.0025	0.21	<0.005	<0.005	<0.0002	0.011	<0.01
	09/25/17	200.7/200.8	0.0032	0.061	<0.002	<0.006	<0.006	0.22	0.00023	0.2	0.0068	<0.012	0.000048	NA	<0.01
	06/06/17	200.7/200.8	0.0029	0.082	<0.002	<0.006	0.0044	0.92	0.0014	0.25	0.0054	<0.005	0.000057	0.012	0.0029
	03/07/17	200.7/200.8	0.0089	0.11	<0.002	<0.006	0.005	1.2	0.0023	0.26	0.012	<0.005	<0.0002	NA	0.006

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.00063	0.004	6
WELL ID	DATE SAMPLED	METHOD													
MKTf-43	11/15/18	200.7/200.8	0.005	0.091	<0.002	<0.006	0.011	0.95	0.00094	0.22	0.0011	0.011	0.000047	0.032	0.0039
	08/30/18	200.7/200.8	0.0058	0.16	<0.002	<0.006	<0.006	0.25	<0.0025	0.43	<0.005	0.012	0.000051	0.021	0.0066
	05/09/18	200.7/200.8	0.0057	0.19	<0.002	<0.006	0.011	6	0.0091	3.2	0.034	0.02	0.000061	0.12	0.017
	02/07/18	200.7/200.8	0.0058	0.17	<0.002	<0.006	0.012	4.7	0.005	4.9	0.023	0.029	0.000091	0.14	0.018
	11/27/17	200.7/200.8	<0.01	0.13	<0.002	<0.006	0.011	2.4	0.0026	6.8	<0.05	0.022	<0.0002	0.13	<0.01
	09/25/17	200.7/200.8	0.016	0.1	<0.002	<0.006	<0.006	1.4	0.0015	8.4	0.045	<0.005	<0.0002	NA	<0.01
	06/06/17	200.7/200.8	0.013	0.16	<0.002	<0.006	<0.006	4.1	0.0048	7.1	0.043	<0.005	<0.0002	0.16	0.014
MKTf-44	03/08/17	200.7/200.8	0.033	0.12	<0.01	<0.03	<0.03	2.6	<0.025	11	0.082	<0.005	<0.0002	NA	0.016
	11/15/18	200.7/200.8	0.0077	0.12	<0.002	0.01	0.0066	7.8	0.0075	0.23	0.0096	<0.005	0.000058	0.18	0.036
	08/30/18	200.7/200.8	0.0048	0.071	<0.002	0.0046	<0.006	0.89	0.00081	0.016	0.01	<0.005	0.000039	0.16	0.0052
	05/10/18	200.7/200.8	0.0083	0.084	<0.002	0.0064	<0.006	5.5	0.0041	0.062	0.012	<0.005	0.000071	0.19	0.013
	02/08/18	200.7/200.8	0.0095	0.096	<0.002	0.0088	<0.006	4.7	0.0056	0.092	0.011	<0.005	0.000079	0.18	0.02
	11/28/17	200.7/200.8	<0.05	0.13	<0.002	0.0098	0.0052	6.5	0.0054	0.092	0.0089	<0.005	NA	0.15	0.02
	09/25/17	200.7/200.8	0.0033	0.16	<0.002	0.013	<0.006	<0.02	<0.0005	0.00064	0.012	<0.005	<0.0002	NA	0.011
	06/05/17	200.7/200.8	0.0039	0.21	<0.002	0.016	0.0031	4.1	0.0052	0.14	0.011	<0.005	0.000058	0.13	0.014
	03/08/17	200.7/200.8	0.012	0.97	<0.002	0.038	<0.006	3.1	0.0042	0.08	0.025	<0.005	<0.0002	NA	0.013

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Maximum Contaminant Levels for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1

EPA Regional Screening Level (RSL) Summary Table

Table 2
Groundwater Analyses Summary

STANDARDS			PARAMETERS - DISSOLVED ANALYSES											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-1	02/24/16	200.7/200.8	0.0018	3.2	<0.002	<0.006	<0.006	5.2	<0.0025	2.1	<0.005	0.0046	0.00017	0.077
	11/04/15	200.7/200.8	<0.005	2.7	<0.002	<0.006	<0.006	4.7	<0.0005	1.9	<0.005	0.0072	<0.0005	<0.01
	08/21/15	200.7/200.8	<0.005	2.4	<0.002	<0.006	<0.006	4	<0.0025	1.9	<0.005	<0.005	<0.025	<0.01
	06/09/15	200.7/200.8	<0.005	2.3	<0.002	<0.006	<0.006	4.7	<0.005	2.1	<0.005	0.0056	<0.005	<0.01
	03/11/15	200.7/200.8	<0.01	2	<0.002	<0.006	<0.006	4.4	<0.001	1.9	<0.005	<0.02	<0.001	<0.01
	06/06/14	200.7/200.8	<0.005	1.4	<0.002	<0.006	<0.006	4.7	<0.005	1.7	<0.005	0.013	<0.01	0.028
MKTf-2	11/28/18	200.7/200.8	<0.005	0.43	<0.002	<0.006	<0.006	0.078	<0.0005	0.75	<0.005	<0.005	NA	0.025
	08/20/18	200.7/200.8	0.0025	0.27	<0.002	<0.006	<0.006	0.027	0.00024	0.51	0.0022	<0.001	0.039	0.0071
	05/01/18	200.7/200.8	0.0021	0.26	<0.002	<0.006	<0.006	0.03	0.00028	0.57	<0.005	<0.005	0.024	0.0051
	02/06/18	200.7/200.8	0.0037	0.28	<0.002	<0.006	<0.006	0.022	0.00052	0.55	0.0025	<0.005	0.03	0.007
	11/20/17	200.7/200.8	0.0028	0.28	<0.002	<0.006	<0.006	0.03	0.00035	0.56	<0.005	<0.005	0.036	0.0037
	10/03/17	200.7/200.8	0.0058	0.33	<0.002	<0.006	<0.006	1.5	0.00018	0.92	<0.005	0.0081	NA	0.034
	03/16/17	200.7/200.8	0.0016	0.31	<0.002	<0.006	<0.006	0.089	0.00025	0.67	<0.005	0.0029	0.024	0.015
MKTf-4	11/20/18	200.7/200.8	0.0075	2.6	<0.002	<0.006	<0.006	1	<0.0005	1.5	0.0023	<0.001	NA	0.029
	09/04/18	200.7/200.8	0.011	3.1	<0.002	<0.006	<0.006	3.2	<0.0005	1.5	0.0031	<0.001	0.0032	0.012
	05/02/18	200.7/200.8	0.01	2.6	<0.002	<0.006	<0.006	2.4	<0.0005	1.5	<0.005	<0.001	0.0038	0.0068
	02/14/18	200.7/200.8	<0.02	2.8	<0.002	<0.006	<0.006	1.9	<0.0005	1.5	0.0024	<0.02	0.0044	0.0082
	11/28/17	200.7/200.8	0.0098	3.1	<0.002	<0.006	<0.006	3.7	<0.0025	1.3	<0.005	<0.01	0.0017	<0.01
	09/26/17	200.7/200.8	0.17	3.7	<0.002	<0.006	<0.006	7.6	<0.0005	1.4	<0.005	<0.05	NA	0.034
	06/08/17	200.7/200.8	0.0097	2.9	<0.002	<0.006	0.0055	0.81	<0.0005	1.4	<0.005	0.0091	0.0034	0.011
	03/02/17	200.7/200.8	0.012	3	<0.002	<0.006	<0.006	4.8	<0.0005	1.4	<0.005	0.01	NA	0.026
MKTf-9	11/28/18	200.7/200.8	0.0016	0.49	<0.002	<0.006	<0.006	0.82	<0.0005	4.1	0.0029	<0.001	NA	0.022
	09/04/18	200.7/200.8	0.0019	0.54	<0.002	<0.006	<0.006	0.94	<0.0005	4.4	0.0041	<0.001	0.0038	0.0083
	05/02/18	200.7/200.8	0.0021	0.46	<0.002	<0.006	<0.006	1.4	<0.0005	3.9	<0.005	<0.001	0.0042	0.0085
	02/14/18	200.7/200.8	0.0025	0.52	<0.002	<0.006	<0.006	1.3	<0.0005	4	0.0035	0.0048	0.0054	0.008
	11/28/17	200.7/200.8	0.0023	0.61	<0.002	<0.006	<0.006	1.5	<0.0025	3.9	<0.005	<0.005	0.0046	<0.01
	09/28/17	200.7/200.8	0.0028	0.54	<0.002	<0.006	<0.006	3	<0.0005	4.5	<0.005	<0.02	NA	0.005
	06/12/17	200.7/200.8	0.0019	0.6	<0.002	<0.006	<0.006	2.3	0.00018	4.6	<0.005	0.0021	NA	0.015
	03/15/17	200.7/200.8	0.0035	0.57	<0.002	<0.006	<0.006	2.1	<0.0005	4.1	<0.005	0.0023	0.0033	0.051
MKTf-10	11/20/18	200.7/200.8	0.008	4	<0.002	<0.006	<0.006	6.1	<0.0005	2.9	0.0029	<0.001	NA	0.027
	09/04/18	200.7/200.8	0.009	4.2	<0.002	<0.006	<0.006	6.8	<0.0005	2.9	0.0027	<0.001	0.00022	0.0092
	05/02/18	200.7/200.8	0.0075	4.2	<0.002	<0.006	<0.006	9.2	<0.0005	3.3	<0.005	<0.001	0.00014	0.018
	02/14/18	200.7/200.8	0.0083	4.8	<0.002	<0.006	<0.006	9.7	<0.0005	3.7	0.0026	0.0072	0.0003	0.0078
	11/28/17	200.7/200.8	0.0063	3.9	<0.002	<0.006	<0.006	8.2	<0.0025	3	<0.005	<0.005	<0.0025	<0.01
	09/28/17	200.7/200.8	0.0087	3.7	<0.002	<0.006	<0.006	7.5	<0.0005	2.8	<0.005	0.0074	NA	0.01
	06/08/17	200.7/200.8	0.0082	4	<0.002	<0.006	<0.006	5.6	<0.0005	3.1	<0.005	0.0045	0.00051	0.013
	03/02/17	200.7/200.8	0.011	4.8	<0.002	<0.006	<0.006	13	0.00032	3.4	0.0009	0.0039	NA	0.02

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-11	11/20/18	200.7/200.8	0.0098	3.2	<0.002	<0.006	<0.006	3.8	<0.0005	4	0.0052	<0.001	NA	0.04
	09/04/18	200.7/200.8	0.013	3	<0.002	<0.006	<0.006	5.2	<0.0005	4.1	0.0044	<0.001	0.006	0.0083
	05/02/18	200.7/200.8	0.015	2.5	<0.002	<0.006	<0.006	6.2	<0.0005	3.3	<0.005	<0.005	0.0045	0.0091
	02/08/18	200.7/200.8	0.012	2.4	<0.002	<0.006	<0.006	6.1	<0.0005	3	0.0032	0.0045	0.0042	0.0062
	11/28/17	200.7/200.8	0.013	2.8	<0.002	<0.006	<0.006	5.8	<0.0005	3	<0.005	<0.005	0.0056	<0.05
	09/26/17	200.7/200.8	0.011	2.9	<0.002	<0.006	<0.006	6.8	<0.0005	3.1	<0.005	0.0042	NA	0.03
	06/08/17	200.7/200.8	0.014	2.1	<0.002	<0.006	<0.006	5.1	<0.0005	2.6	<0.005	0.0046	0.003	0.011
	03/02/17	200.7/200.8	0.018	2.2	<0.002	<0.006	<0.006	5.1	<0.0005	3	0.0014	0.0035	NA	0.031
MKTf-13	11/28/18	200.7/200.8	0.0025	5.6	<0.002	<0.006	<0.006	10	<0.0005	4.4	0.0037	<0.001	NA	0.017
	08/30/18	200.7/200.8	0.0034	5.8	<0.002	<0.006	<0.006	16	<0.0005	5.1	0.0035	<0.001	0.00031	0.011
	05/10/18	200.7/200.8	0.0031	5.7	<0.002	<0.006	<0.006	14	<0.0025	4.6	0.0023	<0.005	<0.005	<0.05
	03/15/17	200.7/200.8	0.0055	4.7	<0.002	<0.006	<0.006	18	0.00023	3.9	<0.005	<0.01	0.00034	0.034
MKTf-15	08/28/18	200.7/200.8	0.0055	26	<0.002	<0.006	<0.006	36	<0.0025	14	0.02	<0.005	<0.0025	0.0096
	05/02/18	200.7/200.8	0.01	31	<0.002	<0.006	<0.006	46	<0.005	17	0.008	<0.01	<0.005	0.0034
	11/28/17	200.7/200.8	0.0072	44	<0.002	<0.006	<0.006	75	<0.0025	23	<0.1	<0.01	<0.0025	<0.01
	06/08/17	200.7/200.8	0.0057	31	<0.002	<0.006	<0.006	54	<0.0025	13	<0.005	0.0062	0.00057	0.011
	03/02/17	200.7/200.8	0.0033	28	<0.002	<0.006	<0.006	45	<0.0025	9.5	0.0066	0.0086	NA	0.019
MKTf-16	11/29/18	200.7/200.8	0.015	1.4	<0.002	<0.006	<0.006	2.7	<0.0005	1.5	<0.005	<0.001	NA	0.031
	08/31/18	200.7/200.8	0.018	2.1	<0.002	<0.006	<0.006	1.8	<0.0005	1.8	<0.005	<0.001	0.0062	0.0074
	05/11/18	200.7/200.8	0.01	2.1	<0.002	<0.006	<0.006	3.4	<0.0025	1.9	<0.005	<0.01	0.0067	0.0088
	02/15/18	200.7/200.8	0.0027	0.67	<0.002	<0.006	0.019	0.095	<0.0025	0.37	0.002	<0.005	0.002	0.072
	11/29/17	200.7/200.8	0.015	2.7	<0.002	<0.006	<0.006	3.5	<0.0025	2.1	<0.005	<0.02	0.0046	<0.01
	09/26/17	200.7/200.8	0.013	2.9	<0.002	<0.006	<0.006	8.8	0.00019	2.8	<0.005	<0.05	NA	0.018
	06/08/17	200.7/200.8	0.018	2.3	<0.002	<0.006	<0.006	1.4	<0.0025	1.7	<0.005	0.018	0.0087	0.014
	03/14/17	200.7/200.8	0.01	1.9	<0.002	<0.006	<0.006	4.7	0.00078	1.8	<0.005	<0.02	0.0012	0.027
MKTf-17	11/28/18	200.7/200.8	0.0085	0.43	<0.002	<0.006	<0.006	0.27	<0.0005	2.5	0.002	<0.001	NA	0.02
	08/24/18	200.7/200.8	0.0048	0.34	<0.002	<0.006	<0.006	0.39	<0.0005	2.4	0.0024	<0.001	0.0061	0.0062
	05/04/18	200.7/200.8	0.0049	0.51	<0.002	<0.006	<0.006	0.17	<0.0005	2.7	0.0022	<0.001	0.0045	0.0058
	02/16/18	200.7/200.8	0.0067	0.44	<0.002	<0.006	<0.006	0.13	<0.0005	2.9	0.0024	<0.01	0.0055	0.0048
	12/01/17	200.7/200.8	0.0033	0.42	<0.002	<0.006	<0.006	0.14	<0.0005	2.2	<0.005	<0.005	0.0062	0.0032
	09/26/17	200.7/200.8	0.0065	0.73	<0.002	<0.006	<0.006	3.2	<0.0005	2.8	<0.005	<0.01	NA	0.021
	06/14/17	200.7/200.8	0.0079	0.74	<0.002	<0.006	<0.006	2.9	<0.0005	2.7	<0.005	<0.005	NA	0.0095
	03/15/17	200.7/200.8	0.005	0.76	<0.002	<0.006	<0.006	1.3	<0.0005	2.6	<0.005	<0.005	0.0054	0.023
MKTf-18	11/28/18	200.7/200.8	0.0018	1.4	<0.002	<0.006	0.0063	0.11	0.00042	2	0.002	<0.001	NA	0.027
	08/24/18	200.7/200.8	0.0016	2.1	<0.002	<0.006	<0.006	0.68	<0.0005	2.2	0.0027	<0.001	0.0006	0.0081
	05/04/18	200.7/200.8	0.0014	2.1	<0.002	<0.006	<0.006	0.41	<0.0005	2.2	0.0019	<0.001	0.00064	0.0058
	02/16/18	200.7/200.8	<0.005	2.2	<0.002	<0.006	<0.006	0.42	<0.0005	2.2	<0.005	0.0046	0.0008	0.0083
	06/14/17	200.7/200.8	0.0029	1.9	<0.002	<0.006	0.0063	2.6	<0.0005	1.9	<0.005	0.0025	NA	0.011
	03/01/17	200.7/200.8	0.0023	2	<0.002	<0.006	<0.006	1.4	<0.0005	1.9	<0.005	0.0043	NA	0.024

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-19	11/28/18	200.7/200.8	0.011	1.2	<0.002	<0.006	<0.006	8.3	0.0017	2.2	0.0022	<0.001	0.00089	0.018
	08/24/18	200.7/200.8	0.014	1.8	<0.002	<0.006	<0.006	10	0.0016	2.3	0.0025	<0.001	0.00075	0.0097
	05/04/18	200.7/200.8	0.015	1.8	<0.002	<0.006	<0.006	10	0.0017	2.4	<0.005	<0.001	0.0003	0.0042
	02/16/18	200.7/200.8	0.0096	1.7	<0.002	<0.006	<0.006	9.6	0.002	2.4	<0.005	<0.01	0.00049	0.0071
	12/01/17	200.7/200.8	0.0091	1.5	<0.002	<0.006	<0.006	9.2	0.0017	2.1	<0.005	<0.005	0.00089	<0.01
	09/26/17	200.7/200.8	0.014	1.6	<0.002	<0.006	<0.006	12	0.0016	3.1	<0.005	0.0048	NA	0.021
	06/14/17	200.7/200.8	0.014	1.7	<0.002	<0.006	<0.006	10	0.0019	2.6	<0.005	<0.02	NA	0.011
	03/15/17	200.7/200.8	0.015	1.7	<0.002	<0.006	<0.006	9	0.0022	2.4	<0.005	<0.01	0.0021	0.031
MKTf-20	11/29/18	200.7/200.8	0.019	4.9	<0.002	<0.006	0.0059	2.5	0.00078	2.5	0.0026	<0.001	0.0023	0.061
	08/31/18	200.7/200.8	0.026	4	<0.002	<0.006	0.011	5.3	0.0039	2.8	0.0036	<0.005	0.0012	0.014
	05/11/18	200.7/200.8	0.023	8.8	<0.002	<0.006	0.014	17	0.0043	5.4	0.0038	0.01	0.0037	0.022
	02/15/18	200.7/200.8	0.0096	33	<0.002	<0.006	<0.006	53	0.0015	17	0.011	0.01	0.0017	0.0093
	11/29/17	200.7/200.8	0.017	8.6	<0.002	<0.006	0.014	13	0.0033	3	<0.005	<0.02	0.0023	0.0086
	09/26/17	200.7/200.8	0.02	8.5	<0.002	<0.006	<0.006	16	0.00097	3.8	<0.005	<0.1	NA	0.027
	06/12/17	200.7/200.8	0.021	7.6	<0.002	<0.006	0.0037	17	0.0042	4.1	<0.005	<0.05	NA	0.019
	03/14/17	200.7/200.8	0.019	12	<0.002	<0.006	<0.006	23	0.0023	7.2	<0.005	<0.05	0.00053	0.041
MKTf-21	11/29/18	200.7/200.8	0.011	3.4	<0.002	<0.006	<0.006	9.3	0.00021	3.6	0.0032	<0.001	0.0022	0.053
	08/31/18	200.7/200.8	0.02	4.1	<0.002	<0.006	<0.006	16	<0.0025	3.6	0.0023	<0.005	0.0011	0.014
	05/11/18	200.7/200.8	0.022	3.8	<0.002	<0.006	<0.006	31	0.00035	5.8	<0.005	0.0071	0.0026	0.018
	02/15/18	200.7/200.8	0.016	2.5	<0.002	<0.006	<0.006	9.2	0.0018	5.2	0.0025	0.0087	0.0055	0.026
	11/28/17	200.7/200.8	0.012	3.7	<0.002	<0.006	<0.006	15	0.00034	4.4	<0.005	0.0084	0.0022	0.011
	09/26/17	200.7/200.8	0.0077	2.7	<0.002	<0.006	<0.006	5.6	<0.0005	3.9	<0.005	<0.02	NA	0.028
	06/21/17	200.7/200.8	0.014	3.9	<0.002	<0.006	<0.006	39	0.00086	6.7	<0.005	<0.05	0.00052	0.02
	03/14/17	200.7/200.8	0.011	3.7	<0.002	<0.006	<0.006	26	0.0012	5.7	<0.005	0.0039	0.00052	0.045
MKTf-22	11/28/18	200.7/200.8	0.0011	1.1	<0.002	<0.006	<0.006	1.4	<0.0005	2.5	0.0024	<0.001	NA	0.01
	08/30/18	200.7/200.8	0.0014	1.4	<0.002	<0.006	<0.006	3	<0.0005	2.4	0.0025	<0.001	0.002	0.006
	05/10/18	200.7/200.8	0.0014	1.2	<0.002	<0.006	<0.006	1.4	<0.0025	2.4	0.002	<0.005	0.0019	0.0057
	02/08/18	200.7/200.8	<0.005	1	<0.002	<0.006	<0.006	1	<0.0005	2.2	0.0035	<0.0005	0.0025	0.0055
	11/28/17	200.7/200.8	0.0025	1.4	<0.002	<0.006	<0.006	1.6	<0.0005	2.3	<0.005	<0.005	0.0023	<0.01
	10/03/17	200.7/200.8	0.0017	1.6	<0.002	<0.006	<0.006	7.1	0.00031	2.6	<0.005	0.0029	NA	0.028
	06/08/17	200.7/200.8	0.0022	1	<0.002	<0.006	<0.006	0.98	<0.0005	2.1	<0.005	0.0035	0.003	0.011
	03/08/17	200.7/200.8	0.0022	1.4	<0.002	<0.006	<0.006	4.2	<0.0005	2.3	<0.005	0.0042	NA	0.025
MKTf-23	06/10/16	200.7/200.8	0.01	0.66	<0.002	<0.006	<0.006	2.6	0.00065	1.8	<0.005	0.009	0.0022	<0.01
	02/25/16	200.7/200.8	0.01	0.58	<0.002	<0.006	<0.006	3.8	0.00038	1.8	<0.005	0.0042	0.0018	0.0083
	11/09/15	200.7/200.8	0.015	0.71	<0.002	<0.006	<0.006	0.99	<0.0025	1.4	<0.005	<0.05	0.024	<0.01
	08/21/15	200.7/200.8	0.011	0.7	<0.002	<0.006	<0.006	0.34	<0.0005	1.3	<0.005	<0.01	0.014	<0.01
	06/09/15	200.7/200.8	0.01	0.75	<0.002	<0.006	<0.006	2.4	<0.002	1.5	<0.005	<0.005	0.0072	<0.01
	03/12/15	200.7/200.8	0.013	0.61	<0.002	<0.006	<0.006	4.4	<0.001	1.9	<0.005	<0.02	0.0045	<0.01
	11/17/14	200.7/200.8	0.01	0.57	<0.002	<0.006	<0.006	3.1	<0.001	1.7	<0.005	<0.01	0.013	0.018

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-24	11/15/18	200.7/200.8	0.0013	0.25	<0.002	<0.006	0.0035	0.1	0.0012	1.8	0.0027	<0.001	0.013	0.027
	08/20/18	200.7/200.8	0.0021	0.25	<0.002	<0.006	<0.006	0.33	0.0014	1.8	0.0028	<0.001	0.015	0.018
	05/01/18	200.7/200.8	0.0025	0.26	<0.002	<0.006	<0.006	0.26	0.0011	1.9	<0.005	<0.005	0.013	0.0047
	02/06/18	200.7/200.8	0.0028	0.27	<0.002	<0.006	<0.006	0.24	0.0014	2.2	0.0029	<0.005	0.014	0.0096
	11/20/17	200.7/200.8	0.0025	0.26	<0.002	<0.006	<0.006	0.24	0.0013	2.1	0.002	<0.005	0.013	0.0035
	10/03/17	200.7/200.8	0.0047	0.23	<0.002	<0.006	<0.006	0.85	0.0006	1.6	<0.005	0.0094	NA	0.058
	06/05/17	200.7/200.8	0.0029	0.25	<0.002	<0.006	<0.006	0.21	0.0012	2.1	<0.005	0.0052	0.017	0.015
	03/29/17	200.7/200.8	0.0031	0.29	<0.002	<0.006	<0.006	0.55	0.0012	1.6	<0.005	0.0057	0.033	0.018
MKTf-25	11/15/18	200.7/200.8	0.0043	0.31	<0.002	<0.006	<0.006	0.048	<0.0005	2.9	0.0023	<0.001	0.047	0.031
	08/17/18	200.7/200.8	0.0052	0.33	<0.002	<0.006	0.0051	0.97	0.00025	2.4	0.0033	<0.001	0.027	0.0075
	05/06/18	200.7/200.8	0.0041	0.26	<0.002	<0.006	0.0073	0.75	<0.0005	2.4	0.0021	<0.001	0.023	0.0096
	02/05/18	200.7/200.8	0.0041	0.28	<0.002	<0.006	<0.006	0.7	0.00024	2.6	0.0023	<0.005	0.023	0.0074
	11/21/17	200.7/200.8	0.0042	0.28	<0.002	<0.006	<0.006	0.8	0.00022	2.4	<0.005	<0.005	0.024	<0.01
	09/25/17	200.7/200.8	0.0044	0.24	<0.002	<0.006	<0.006	0.57	0.00039	2.4	<0.005	0.0047	NA	0.018
	06/05/17	200.7/200.8	0.0047	0.18	<0.002	<0.006	<0.006	0.57	0.00027	2.3	<0.005	0.0044	0.027	0.014
	03/29/17	200.7/200.8	0.0054	0.27	<0.002	<0.006	<0.006	0.56	0.00082	2.6	<0.005	0.0076	0.029	0.02
MKTf-26	06/09/16	200.7/200.8	0.0094	0.074	<0.002	<0.006	<0.006	0.48	0.00096	0.7	<0.005	0.033	0.085	0.004
	02/22/16	200.7/200.8	0.0024	0.12	<0.002	<0.006	<0.006	0.38	0.0013	0.91	<0.005	0.0031	0.042	0.048
	11/04/15	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	0.35	0.0011	1	<0.005	0.0075	0.062	<0.01
	08/20/15	200.7/200.8	<0.005	0.1	<0.002	<0.006	<0.006	0.57	<0.0025	1.1	<0.005	<0.005	0.092	<0.01
	06/10/15	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	0.86	<0.005	1.2	<0.005	<0.005	0.063	0.036
	03/11/15	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	0.85	<0.001	1.4	<0.005	<0.01	0.045	0.068
	11/14/14	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	0.18	<0.01	1.4	<0.005	<0.01	0.066	0.014
MKTf-27	11/15/18	200.7/200.8	0.0017	0.063	<0.002	<0.006	0.0047	0.16	<0.0025	0.21	0.0052	<0.001	0.031	0.026
	08/20/18	200.7/200.8	0.0024	0.068	<0.002	<0.006	0.0052	<0.02	<0.0025	0.12	0.0064	<0.001	0.033	0.012
	05/01/18	200.7/200.8	0.005	0.091	<0.002	<0.006	0.0084	0.034	<0.005	0.033	0.0058	<0.005	0.034	0.0099
	02/06/18	200.7/200.8	0.012	0.061	<0.002	<0.006	0.0039	0.031	<0.01	0.032	0.0059	<0.02	0.033	0.0054
	11/20/17	200.7/200.8	<0.005	0.069	<0.002	<0.006	0.0047	0.1	<0.0025	0.24	0.0033	<0.005	0.046	0.0044
	10/03/17	200.7/200.8	0.0037	0.067	<0.002	<0.006	<0.006	0.018	<0.0025	0.17	<0.005	0.012	NA	0.033
	06/05/17	200.7/200.8	0.0033	0.071	<0.002	<0.006	<0.006	0.058	<0.0025	0.064	<0.005	0.011	0.058	0.018
	03/29/17	200.7/200.8	0.004	0.097	<0.002	<0.006	<0.006	0.034	<0.0025	0.49	<0.005	0.015	0.077	0.022
MKTf-28	11/15/18	200.7/200.8	0.0012	0.048	<0.002	<0.006	0.0053	<0.02	<0.0005	0.0011	<0.005	<0.001	0.13	0.016
	08/20/18	200.7/200.8	0.0015	0.034	<0.002	<0.006	<0.006	0.031	<0.0005	0.0046	<0.005	<0.001	0.15	0.0088
	05/01/18	200.7/200.8	0.0015	0.046	<0.002	<0.006	<0.006	0.027	<0.0005	0.0024	<0.005	<0.001	0.14	0.0076
	02/06/18	200.7/200.8	0.0042	0.051	<0.002	<0.006	<0.006	0.034	<0.0005	0.0032	<0.005	<0.005	0.13	0.0076
	11/20/17	200.7/200.8	<0.01	0.087	<0.002	<0.006	0.0053	2.9	0.0029	0.18	<0.005	<0.01	0.15	0.0066
	10/03/17	200.7/200.8	0.0042	0.049	<0.002	0.0016	<0.006	<0.02	<0.0005	0.0017	<0.005	0.015	NA	0.049
	06/05/17	200.7/200.8	0.004	0.046	<0.002	<0.006	0.01	0.023	<0.0005	0.0023	<0.005	0.0086	0.13	0.019
	03/29/17	200.7/200.8	0.0029	0.049	<0.002	<0.006	<0.006	0.11	0.00042	0.011	<0.005	0.0081	0.16	0.016

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-29	11/15/18	200.7/200.8	0.001	0.028	<0.002	<0.006	0.0049	<0.02	<0.0005	0.48	0.0021	<0.001	0.0077	0.03
	08/20/18	200.7/200.8	0.0012	0.026	<0.002	<0.006	0.0038	0.053	<0.0005	0.48	0.002	<0.001	0.0082	0.0076
	05/01/18	200.7/200.8	0.0015	0.021	<0.002	<0.006	<0.006	0.03	<0.0005	0.38	<0.005	<0.001	0.0079	0.0048
	02/06/18	200.7/200.8	0.0036	0.024	<0.002	<0.006	<0.006	0.031	<0.0005	0.49	0.0023	<0.005	0.0094	0.0063
	11/20/17	200.7/200.8	<0.005	0.031	<0.002	<0.006	<0.006	0.036	<0.0005	0.71	<0.005	<0.005	0.0092	0.0034
	10/03/17	200.7/200.8	0.0017	0.031	<0.002	<0.006	<0.006	0.022	<0.0005	0.62	<0.005	0.0029	NA	0.064
	06/05/17	200.7/200.8	0.0017	0.031	<0.002	<0.006	<0.006	0.029	<0.0005	0.53	<0.005	0.003	0.011	0.014
	03/29/17	200.7/200.8	0.0019	0.032	<0.002	<0.006	0.0053	0.034	0.00017	0.35	<0.005	0.0038	0.012	0.021
MKTf-30	11/15/18	200.7/200.8	0.00056	0.03	<0.002	<0.006	<0.006	<0.02	<0.0005	0.013	<0.005	<0.001	0.025	0.035
	08/20/18	200.7/200.8	0.00073	0.032	<0.002	<0.006	<0.006	<0.02	<0.0005	0.015	0.0021	<0.001	0.03	0.013
	05/01/18	200.7/200.8	<0.005	0.016	<0.002	<0.006	<0.006	0.044	<0.0005	0.005	<0.005	<0.005	0.035	0.0054
	02/06/18	200.7/200.8	0.0035	0.027	<0.002	<0.006	<0.006	0.047	<0.0005	0.013	<0.005	<0.005	0.03	0.0069
	11/20/17	200.7/200.8	<0.005	0.032	<0.002	<0.006	<0.006	<0.02	<0.0005	0.0081	<0.005	<0.005	0.029	0.005
	10/03/17	200.7/200.8	0.0026	0.033	<0.002	<0.006	<0.006	0.051	0.00018	0.017	<0.005	0.0042	NA	0.019
	06/05/17	200.7/200.8	0.0015	0.026	<0.002	<0.006	<0.006	0.024	<0.0005	0.017	<0.005	0.0044	0.039	0.014
	03/29/17	200.7/200.8	0.0013	0.039	<0.002	<0.006	<0.006	0.087	0.00037	0.044	<0.005	0.0055	0.033	0.021
MKTf-31	11/15/18	200.7/200.8	0.00062	0.14	<0.002	<0.006	<0.006	0.019	<0.0005	0.051	0.0033	<0.001	0.035	0.02
	08/17/18	200.7/200.8	0.001	0.13	<0.002	<0.006	<0.006	<0.02	<0.0005	0.065	0.0035	<0.001	0.04	0.011
	05/06/18	200.7/200.8	0.0012	0.11	<0.002	<0.006	<0.006	0.036	<0.0005	0.03	0.0052	<0.001	0.038	0.0037
	02/05/18	200.7/200.8	0.0032	0.12	<0.002	<0.006	<0.006	<0.02	<0.0005	0.028	0.0035	0.0056	0.039	0.0052
	11/21/17	200.7/200.8	<0.005	0.12	<0.002	<0.006	<0.006	0.026	<0.0005	0.025	0.0023	<0.005	0.04	<0.01
	09/25/17	200.7/200.8	0.0025	0.12	<0.002	<0.006	<0.006	<0.02	<0.0005	0.029	<0.005	0.0062	NA	0.012
	06/05/17	200.7/200.8	0.0025	0.14	<0.002	<0.006	<0.006	<0.02	<0.0005	0.013	<0.005	0.0072	0.046	0.012
	03/07/17	200.7/200.8	0.0026	0.17	<0.002	<0.006	<0.006	<0.02	<0.0005	0.022	<0.005	0.0078	NA	0.018
MKTf-32	11/15/18	200.7/200.8	0.0022	0.043	<0.002	<0.006	0.0046	<0.02	<0.0005	0.045	<0.005	<0.001	0.055	0.023
	08/28/18	200.7/200.8	0.0025	0.051	<0.002	<0.006	0.0045	0.022	<0.0005	0.037	<0.005	<0.001	0.055	0.0076
	05/09/18	200.7/200.8	0.0026	0.045	<0.002	<0.006	0.0039	<0.02	<0.0025	0.049	<0.005	<0.005	0.05	0.0092
	02/07/18	200.7/200.8	<0.005	0.052	<0.002	<0.006	<0.006	0.031	<0.0005	0.062	<0.005	<0.005	0.06	0.0068
	11/27/17	200.7/200.8	0.0033	0.049	<0.002	<0.006	<0.006	0.043	<0.0025	0.078	<0.005	<0.005	0.055	<0.01
	09/25/17	200.7/200.8	0.0036	0.045	<0.002	<0.006	<0.006	0.023	<0.0005	0.075	<0.005	0.005	NA	0.0087
	06/06/17	200.7/200.8	0.0041	0.049	<0.002	<0.006	<0.006	0.086	0.00035	0.05	<0.005	0.005	0.059	0.011
	03/07/17	200.7/200.8	0.0039	0.043	<0.002	<0.006	<0.006	<0.02	<0.0005	0.065	<0.005	0.0059	NA	0.029
MKTf-33	11/28/18	200.7/200.8	0.00049	0.055	<0.002	<0.006	<0.006	0.03	<0.0005	0.28	<0.005	<0.001	NA	0.032
	08/30/18	200.7/200.8	0.00075	0.045	<0.002	<0.006	<0.006	<0.02	<0.0005	0.16	<0.005	<0.001	0.031	0.01
	05/10/18	200.7/200.8	0.00076	0.042	<0.002	<0.006	<0.006	<0.02	<0.0025	0.15	<0.005	<0.005	0.032	0.0069
	02/08/18	200.7/200.8	<0.001	0.04	<0.002	<0.006	<0.006	<0.02	<0.0005	0.26	0.0025	<0.005	0.036	0.007
	11/28/17	200.7/200.8	0.00071	0.04	<0.002	<0.006	<0.006	<0.02	<0.0005	0.28	<0.005	<0.005	0.032	0.0051
	09/25/17	200.7/200.8	<0.005	0.037	<0.002	<0.006	<0.006	<0.02	<0.0005	0.19	<0.005	0.002	NA	0.014
	06/08/17	200.7/200.8	0.0011	0.04	<0.002	<0.006	<0.006	0.029	0.00019	0.042	<0.005	0.0023	0.035	0.012
	03/08/17	200.7/200.8	0.0014	0.04	<0.002	<0.006	<0.006	0.032	0.00025	0.2	<0.005	0.0028	NA	0.029

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-34	11/28/18	200.7/200.8	0.00087	0.035	<0.002	<0.006	<0.006	<0.02	<0.0005	0.0004	<0.005	0.0022	0.036	0.026
	08/24/18	200.7/200.8	0.0011	0.045	<0.002	<0.006	<0.006	<0.02	<0.0005	<0.002	<0.005	0.0025	0.036	0.0094
	05/04/18	200.7/200.8	0.0011	0.05	<0.002	<0.006	<0.006	<0.02	<0.0005	0.00041	<0.005	0.0025	0.036	0.0061
	02/16/18	200.7/200.8	0.0026	0.049	<0.002	<0.006	<0.006	<0.02	<0.0005	0.0025	<0.005	0.0067	0.035	0.0083
	12/01/17	200.7/200.8	<0.005	0.063	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	<0.005	<0.005	0.036	0.0082
	09/26/17	200.7/200.8	0.0025	0.06	<0.002	0.0015	<0.006	<0.02	<0.0005	0.00062	<0.005	<0.02	NA	0.034
	06/14/17	200.7/200.8	0.0015	0.072	<0.002	<0.006	0.019	0.033	<0.0005	0.00099	<0.005	<0.02	NA	0.01
	03/01/17	200.7/200.8	0.0025	0.079	<0.002	<0.006	<0.006	<0.02	<0.0005	0.00076	<0.005	0.0045	NA	0.028
MKTf-35	11/28/18	200.7/200.8	<0.001	0.31	<0.002	<0.006	<0.006	3.2	<0.0005	3	0.0025	<0.001	NA	0.044
	08/23/18	200.7/200.8	0.0011	0.37	<0.002	<0.006	<0.006	2.9	0.0002	2.9	0.0035	<0.001	0.0029	0.018
	05/03/18	200.7/200.8	0.0011	0.31	<0.002	<0.006	<0.006	3.3	0.00022	3.3	0.0022	<0.001	0.0028	0.0061
	02/15/18	200.7/2000.8	0.0023	0.26	<0.002	<0.006	<0.006	3.2	0.0002	3.4	0.0025	<0.01	0.0028	<0.05
	11/30/17	200.7/200.8	<0.005	0.29	<0.002	<0.006	<0.006	2.9	<0.0005	3.1	<0.005	<0.005	0.0024	<0.01
	09/27/17	200.7/200.8	0.002	0.31	<0.002	<0.006	<0.006	3.3	0.0003	3.4	<0.005	<0.02	NA	0.0067
	06/14/17	200.7/200.8	0.003	0.13	<0.002	<0.006	<0.006	3.1	0.00024	3.1	<0.005	<0.02	NA	0.0095
	03/01/17	200.7/200.8	0.00072	0.06	<0.002	<0.006	<0.006	3.1	<0.0005	3.3	<0.005	0.004	NA	0.023
MKTf-36	09/05/18	200.7/200.8	0.015	5.9	<0.002	<0.006	<0.006	13	0.0018	1.7	0.0024	<0.001	<0.0005	0.01
	05/03/18	200.7/200.8	0.011	5.7	<0.002	<0.006	<0.006	12	0.0016	1.9	<0.005	<0.001	0.00011	0.0096
	02/15/18	200.7/200.8	0.0085	5.8	<0.002	<0.006	<0.006	14	0.002	1.9	<0.005	0.0037	<0.0005	0.006
	11/30/17	200.7/200.8	0.011	5.7	<0.002	<0.006	<0.006	13	0.002	1.7	<0.005	<0.005	0.00047	0.0063
	09/27/17	200.7/200.8	0.016	4.7	<0.002	<0.006	<0.006	13	0.0022	1.7	<0.005	0.0036	NA	0.043
	06/14/17	200.7/200.8	0.013	4.7	<0.002	<0.006	<0.006	14	0.002	1.8	<0.005	0.0026	NA	0.012
	03/01/17	200.7/200.8	0.012	5.4	<0.002	<0.006	<0.006	17	0.002	2.1	<0.005	0.0036	NA	0.022
MKTf-37	08/23/18	200.7/200.8	0.0024	0.96	<0.002	<0.006	<0.006	0.99	0.00088	0.55	<0.005	<0.001	0.019	0.0081
	05/03/18	200.7/200.8	0.0025	1.1	<0.002	<0.006	<0.006	1.9	0.0011	0.67	<0.005	<0.001	0.016	0.0074
	03/01/17	200.7/200.8	0.0036	1.2	<0.002	<0.002	<0.006	2.4	0.002	1.1	<0.005	0.004	NA	0.024
MKTf-38	11/20/18	200.7/200.8	0.0007	0.052	<0.002	<0.006	<0.006	<0.02	<0.0005	2.7	0.0034	0.0017	NA	0.031
	08/21/18	200.7/200.8	0.0014	0.043	<0.002	<0.006	<0.006	0.037	<0.0025	2.2	0.004	0.00076	0.027	0.01
	05/03/18	200.7/200.8	<0.005	0.034	<0.002	<0.006	<0.006	<0.02	<0.0025	2.5	0.0028	<0.005	0.026	0.0071
	02/12/18	200.7/200.8	0.0039	0.032	<0.002	<0.006	0.0034	<0.02	<0.0005	1.6	<0.005	0.0078	0.029	0.0057
	11/30/17	200.7/200.8	<0.005	0.031	<0.002	<0.006	<0.006	<0.02	<0.0025	1.8	<0.005	<0.005	0.026	<0.01
	09/28/17	200.7/200.8	0.0017	0.03	<0.002	<0.006	<0.006	<0.02	<0.0005	2.1	<0.005	0.0041	NA	0.044
	06/21/17	200.7/200.8	0.0026	0.041	<0.002	<0.006	<0.006	0.076	0.00027	2.5	<0.005	0.0043	0.024	0.011
	03/14/17	200.7/200.8	0.0011	0.037	<0.002	<0.006	<0.006	0.098	0.00031	2.6	<0.005	0.003	0.015	0.029

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-39	11/20/18	200.7/200.8	0.001	13	<0.002	<0.006	<0.006	10	<0.0005	2.3	0.0077	<0.001	NA	0.021
	08/21/18	200.7/200.8	<0.005	11	<0.002	<0.006	<0.006	11	<0.0025	2	0.003	<0.005	<0.0025	0.01
	05/06/18	200.7/200.8	0.0011	5.6	<0.002	<0.006	0.0046	4.9	0.00027	9.96	0.0044	<0.001	<0.0005	0.0043
	02/08/18	200.7/200.8	0.0061	25	<0.002	<0.006	<0.006	22	<0.0005	4.2	0.0083	0.0094	<0.0005	0.0055
	11/28/17	200.7/200.8	0.0027	12	<0.002	<0.006	<0.006	12	<0.0025	2	<0.005	0.0099	<0.0025	<0.01
	09/28/17	200.7/200.8	0.0042	34	<0.002	<0.006	<0.006	31	<0.0025	5.2	<0.005	0.013	NA	0.034
	06/08/17	200.7/200.8	0.0051	6.7	<0.002	<0.006	<0.006	7.3	0.00087	1.3	<0.005	0.016	0.00013	0.084
	03/14/17	200.7/200.8	0.0032	5.6	<0.002	<0.006	<0.006	6.3	0.00032	1.2	<0.005	0.0088	0.000079	0.022
MKTf-40	11/15/18	200.7/200.8	0.0014	0.049	<0.002	<0.006	0.0032	<0.02	<0.0005	0.0031	0.0054	<0.001	0.039	0.025
	08/17/18	200.7/200.8	0.0023	0.04	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	0.0052	<0.005	0.053	0.011
	05/06/18	200.7/200.8	0.0029	0.059	<0.002	<0.006	0.0055	0.03	<0.0025	0.036	0.03	<0.005	0.048	<0.01
	02/05/18	200.7/200.8	<0.05	0.08	<0.002	<0.006	0.0033	<0.02	<0.025	0.06	0.0082	0.012	0.044	0.0034
	11/21/17	200.7/200.8	0.0046	0.076	<0.002	<0.006	<0.006	0.072	<0.0025	0.021	0.0056	<0.01	0.052	<0.01
	09/25/17	200.7/200.8	0.0026	0.072	<0.002	<0.006	<0.006	0.094	<0.0025	0.052	<0.005	0.0082	NA	0.012
	06/05/17	200.7/200.8	0.0023	0.079	<0.002	<0.006	0.0081	0.053	<0.0025	0.09	<0.005	0.0075	0.058	0.018
	03/07/17	200.7/200.8	0.0029	0.097	<0.002	<0.006	<0.006	<0.02	<0.0025	0.04	<0.005	0.01	NA	0.02
MKTf-41	11/15/18	200.7/200.8	0.002	0.059	<0.002	0.0021	<0.006	<0.02	<0.0005	0.0024	<0.005	0.033	0.0092	0.023
	08/29/18	200.7/200.8	<0.005	0.056	<0.002	0.0016	<0.006	0.029	<0.0025	0.0028	<0.005	0.035	0.013	0.01
	05/09/18	200.7/200.8	0.0024	0.052	<0.002	0.0013	<0.006	<0.02	<0.0025	0.0014	<0.005	0.04	0.011	0.0084
	02/07/18	200.7/200.8	<0.02	0.057	<0.002	<0.006	<0.006	0.017	<0.0005	0.0016	<0.005	0.038	0.015	0.0075
	11/27/17	200.7/200.8	<0.05	0.061	<0.002	<0.006	<0.006	0.02	<0.0025	0.0016	<0.005	0.037	0.013	<0.01
	09/25/17	200.7/200.8	0.0063	0.063	<0.002	0.0021	<0.006	0.018	<0.0005	0.0014	<0.005	0.045	NA	0.065
	06/06/17	200.7/200.8	0.0064	0.056	<0.002	0.0017	<0.006	0.14	0.00055	0.014	<0.005	0.044	0.02	0.018
	03/07/17	200.7/200.8	0.0055	0.056	<0.002	0.002	<0.006	<0.02	<0.0005	0.0016	<0.005	0.049	NA	0.015
MKTf-42	11/15/18	200.7/200.8	0.0019	0.037	<0.002	<0.006	<0.006	0.02	<0.0005	0.055	<0.005	0.0012	0.0092	0.025
	08/29/18	200.7/200.8	<0.005	0.064	<0.002	<0.006	0.0051	0.11	<0.0025	0.14	<0.005	<0.005	0.011	0.0088
	05/09/18	200.7/200.8	<0.005	0.057	<0.002	<0.006	<0.006	0.096	<0.0025	0.17	<0.005	<0.005	0.0077	0.006
	02/07/18	200.7/200.8	<0.005	0.068	<0.002	<0.006	<0.006	0.28	<0.0005	0.21	<0.005	<0.005	0.0083	0.0068
	11/27/17	200.7/200.8	0.0033	0.064	<0.002	<0.006	<0.006	0.21	<0.0025	0.21	<0.005	0.0044	0.0093	<0.01
	09/25/17	200.7/200.8`	0.0036	0.059	<0.002	<0.006	<0.006	0.056	<0.0005	0.19	<0.005	0.0086	NA	0.006
	06/06/17	200.7/200.8	0.0035	0.065	<0.002	<0.006	0.0084	0.21	<0.0005	0.24	<0.005	0.0079	0.013	0.016
	03/07/17	200.7/200.8	0.0033	0.079	<0.002	<0.006	<0.006	0.061	<0.0005	0.23	<0.005	0.0086	NA	0.015
MKTf-43	11/15/18	200.7/200.8	0.002	0.071	<0.002	<0.006	0.0032	<0.02	<0.0005	0.26	0.0088	<0.001	0.028	0.025
	08/30/18	200.7/200.8	0.0036	0.14	<0.002	<0.006	<0.006	<0.02	<0.0005	0.38	0.013	<0.005	0.019	0.011
	05/09/18	200.7/200.8	0.01	0.057	<0.002	<0.006	0.0057	<0.02	<0.005	1.7	0.017	<0.01	0.086	0.0064
	02/07/18	200.7/200.8	0.013	0.075	<0.01	<0.03	<0.03	<0.1	<0.005	5.5	0.0096	<0.05	0.14	<0.05
	11/27/17	200.7/200.8	0.0049	0.081	<0.002	<0.006	0.0076	0.072	<0.005	6.6	<0.05	<0.05	0.14	<0.01
	09/25/17	200.7/200.8	<0.1	0.071	<0.002	<0.006	<0.006	0.022	<0.005	9.7	<0.005	0.044	NA	<0.02
	06/06/17	200.7/200.8	<0.1	0.083	<0.002	<0.006	<0.006	0.028	<0.005	6.6	<0.005	0.045	0.18	0.017
	03/08/17	200.7/200.8	0.017	0.068	<0.01	<0.03	<0.03	<0.1	<0.01	11	<0.025	0.059	NA	0.037

Table 2
Groundwater Analyses Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			0.01	2	0.005	0.05	1	1	0.015	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (MAR 2019)			0.000855	3.28	0.00624	0.0057	0.7898	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2018)			0.000052	3.8	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.004	6
WELL ID	DATE SAMPLED	METHOD												
MKTf-44	11/28/18	200.7/200.8	0.0069	0.032	<0.002	0.0027	0.0039	0.16	0.00028	0.0049	<0.005	0.009	0.18	0.016
	08/30/18	200.7/200.8	0.005	0.062	<0.002	0.004	<0.006	<0.02	<0.0005	0.0013	<0.005	0.011	0.15	0.006
	05/10/18	200.7/200.8	0.0084	0.038	<0.002	0.0044	0.0036	0.087	<0.0025	0.0034	<0.005	0.013	0.17	0.0089
	02/08/18	200.7/200.8	0.0075	0.039	<0.002	0.0033	<0.006	<0.02	<0.0005	0.00056	<0.005	<0.015	0.17	0.0057
	11/28/17	200.7/200.8	0.0054	0.076	<0.002	<0.006	<0.006	0.034	<0.0005	0.0012	<0.005	0.0097	0.14	0.005
	09/25/17	200.7/200.8	0.0033	0.16	<0.002	0.013	<0.006	<0.02	<0.0005	0.00064	<0.005	0.012	NA	0.011
	06/05/17	200.7/200.8	0.0035	0.14	<0.002	0.011	<0.006	0.044	<0.0025	0.0029	<0.005	0.012	0.13	0.012
	03/08/17	200.7/200.8	0.0043	0.96	<0.002	0.032	<0.006	<0.02	<0.0025	0.0082	<0.005	0.017	NA	0.023

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Maximum Contaminant Levels for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1

EPA Regional Screening Level (RSL) Summary Table

NOTES

2) 2009 Method 6010B Total Recoverable Metals Analysis run

3) Water level too shallow to collect samples.

4) Was not sampled in September due to low recharge rate.

5) Quarterly combined with 2013 Annual sampling event.

Table 2
Groundwater Analyses Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a) anthracene (mg/L)	Benzoic Acid (mg/L)	BenzyI alcohol (mg/L)	Bis(2- ethylhexyl) phthalate (mg/L)	Butyl benzyI phthalate (mg/L)	Carbazole (mg/L)	Di-n-octyl phthalate (mg/L)	Dibenzo furan (mg/L)	1,4- Dichlorob enzene (mg/L)	Diethyl phthalate (mg/L)	Dimethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Pentachloro phenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.03	0.001	NE	0.005	NE	NE
40 CFR 141.61 MCL			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	0.075	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.001	NE	NE	NE	NE
NMED Tap Water (MAR 2019)			0.535	NE	0.00012	NE	NE	0.0556	NE	NE	NE	NE	0.00482	14.8	0.612	0.354	0.288	0.0114	0.035	NE	NE	0.00165	0.0004	0.17	5.76	0.117	NE
EPA RSL for Tap Water (NOV 2018)			0.53	0.013	0.00003	75	2	0.0056	0.0016	NE	0.2	0.0079	0.00048	15	NE	0.36	0.29	0.0011	0.036	0.93	0.93	0.00017	0.000041	NE	5.8	0.12	0.02
WELL ID	DATE SAMPLED	METHOD																									
MKTf-1	02/24/16	8270C		0.0099		<0.02		<0.01		<0.01						0.026	<0.01	0.052	0.022	0.038	0.046	0.088		<0.01	0.012		
	11/04/15	8270C		0.011		<0.02		<0.01		<0.01						0.068	<0.01	0.2	0.087	0.049	0.07	0.12		0.012	0.036		
	08/21/15	8270c		0.014		<0.02		<0.01		<0.01						0.046	<0.01	0.14	0.03	0.054	0.05	0.1		<0.01	0.022		
	06/09/15	8270C		<0.01		<0.02		<0.01		<0.01						0.08	<0.01	0.34	0.16	0.076	0.05	0.19		0.022	0.031		
	03/11/15	8270C		0.018		<0.02		<0.01		<0.01						0.051	<0.01	0.12	<0.01	0.061	0.035	0.09		<0.01	0.023		
	06/06/14	8270C		<0.01		<0.02		<0.01		<0.01						0.05	0.02	0.31	0.31	0.06	0.031	0.31		0.028	0.019		
MKTf-2	11/28/18	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	0.03	<0.01	0.034	<0.01	0.022	0.017	0.035		<0.01	0.014		
	08/20/18	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	0.0099	<0.01	0.009	<0.01	0.012	0.01	0.0069		<0.01	0.015		
	05/01/18	8270c		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	0.022	<0.01	<0.01	0.009	0.016		<0.01	0.0088		
	02/06/18	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	0.008	<0.01	0.031	<0.01	0.0038	0.012	0.02		<0.01	0.016		
	11/20/17	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	0.0047				<0.01	0.0093	<0.01	0.03	<0.010	0.0064	0.011	0.017		<0.01	0.014		
	10/03/17	8270C		<0.01	<0.01	0.013		<0.01	<0.01	<0.01	<0.01				<0.01	0.003	<0.01	0.0097	<0.01	<0.01	<0.01	0.005		<0.01	0.019		
MKTf-4	03/16/17	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	0.0033				<0.01	0.011	<0.01	0.03	<0.01	0.013	0.013	0.038		<0.01	0.016		
	11/20/18	8270C	<0.01	<0.01		<0.02		<0.01		0.015	<0.01	<0.01				<0.01	<0.01	0.1	0.11	<0.01	<0.01	0.2		<0.01	<0.01		<0.01
	09/04/18	8270C	<0.01	<0.01		<0.02		<0.01		0.019	<0.01	<0.01				0.0071	<0.01	0.13	0.16	<0.01	<0.01	0.24		<0.01	<0.01		<0.01
	05/02/18	8270C	<0.01	<0.01		<0.02		<0.01		0.012	<0.01	<0.01				<0.01	<0.01	0.094	0.097	<0.01	<0.01	0.15		<0.01	<0.01		<0.01
	02/14/18	8270C	0.0058	<0.01		<0.02		<0.01		0.015	<0.01	<0.01				0.0036	0.0069	0.15	0.16	<0.01	<0.01	0.22		0.0047	0.0066		<0.01
	11/28/17	8270C	0.0068	<0.01		<0.02		<0.01		0.021	<0.01	<0.01				0.0054	0.0081	0.16	0.19	<0.01	<0.01	0.27		0.0068	0.0043		<0.01
MKTf-9	09/26/17	8270C	0.0048	<0.01		<0.02		<0.01		0.019	<0.01	<0.01				0.0049	0.0074	0.18	0.22	<0.01	<0.01	0.3		0.0063	<0.01		<0.01
	06/08/17	8270C	0.0052	<0.01		<0.02		0.055		0.011	<0.01	<0.01				0.0054	0.0048	0.14	0.15	<0.01	<0.01	0.24		0.0064	0.0058		<0.01
	03/02/17	8270C	0.0061	<0.01		<0.02		0.0071		0.02	<0.01	<0.01				0.0038	0.0061	0.12	0.16	<0.01	<0.01	0.27		0.0061	0.0052		<0.01
	11/28/18	8270C	<0.01	<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	0.0066	0.065	0.013	<0.01	<0.01	0.046	<0.02	0.0075	0.014		<0.01
	09/04/18	8270C	<0.01	<0.01		<0.02		<0.01		0.0096	<0.01				<0.01	<0.01	<0.01	0.036	<0.01	<0.01	<0.01	0.029	<0.02	<0.01	<0.01		<0.01
	05/02/18	8270C	<0.01	<0.01		<0.02		<0.01		0.01	<0.01				<0.01	<0.01	<0.01	0.054	<0.01	<0.01	<0.01	0.035	<0.02	<0.01	0.013		<0.01
MKTf-10	02/14/18	8270C	0.0058	<0.01		<0.02		<0.01		0.013	<0.01				<0.01	<0.01	0.0081	0.07	<0.01	<0.01	<0.01	0.042	<0.02	0.0073	0.014		<0.01
	11/28/17	8270C	0.0059	<0.01		0.014		<0.01		0.015	<0.01				<0.01	<0.01	0.008	0.077	0.012	<0.01	<0.01	0.042	<0.02	0.0088	0.018		<0.01
	09/28/17	8270C	0.0055	<0.01		<0.02		<0.01		0.015	<0.01				0.0049	<0.01	0.0085	0.089	<0.01	<0.01	<0.01	0.043	<0.02	0.0086	0.012		<0.01
	06/12/17	8270C	0.0053	<0.01		<0.02		0.005		0.012	<0.01				<0.01	<0.01	0.0061	0.059	0.0079	<0.01	<0.01	0.042	<0.02	0.0072	0.013		<0.01
	03/15/17	8270C	0.004	<0.01		<0.02		0.0073		0.011	0.0037																

Table 2
Groundwater Analyses Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a) anthracene (mg/L)	Benzoic Acid (mg/L)	BenzyI alcohol (mg/L)	Bis(2- ethylhexyl) phthalate (mg/L)	Butyl benzyI phthalate (mg/L)	Carbazole (mg/L)	Di-n-octyl phthalate (mg/L)	Dibenzo furan (mg/L)	1,4- Dichlorob enzene (mg/L)	Diethyl phthalate (mg/L)	Dimethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Pentachloro phenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.03	0.001	NE	0.005	NE	NE
40 CFR 141.61 MCL			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	0.075	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.001	NE	NE	NE	NE
NMED Tap Water (MAR 2019)			0.535	NE	0.00012	NE	NE	0.0556	NE	NE	NE	NE	0.00482	14.8	0.612	0.354	0.288	0.0114	0.035	NE	NE	0.00165	0.0004	0.17	5.76	0.117	NE
EPA RSL for Tap Water (NOV 2018)			0.53	0.013	0.00003	75	2	0.0056	0.0016	NE	0.2	0.0079	0.00048	15	NE	0.36	0.29	0.0011	0.036	0.93	0.93	0.00017	0.000041	NE	5.8	0.12	0.02
WELL ID	DATE SAMPLED	METHOD																									
MKTf-17	11/28/18	8270C		<0.01		0.018		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	08/24/18	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	05/04/18	8270C		<0.01		0.011		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/16/18	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0061		<0.01	0.0071		
	12/01/17	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0033		<0.01	<0.01		
	09/26/17	8270C		<0.01		<0.02		0.31	<0.01	<0.01	<0.01					<0.01	0.0046	0.01	<0.01	<0.01	<0.01	0.008		<0.01	<0.01		
	06/14/17	8270C		<0.01		<0.02		0.005	<0.01	<0.01	<0.01					<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.027		<0.01	0.0055		
MKTf-18	03/15/17	8270C		<0.01		<0.02		0.007	<0.01	<0.01	0.0035					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0049		<0.01	0.005		
	11/28/18	8270C	<0.01	<0.01		0.017		<0.01	<0.01	<0.01	<0.01	0.0051			<0.01	<0.01	0.007	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	08/24/18	8270C	<0.01	<0.01		0.012		<0.01	<0.01	<0.01	<0.02	<0.03			<0.01	<0.01	<0.01	0.08	0.025	<0.01	<0.01	0.02		<0.01	<0.01		
	05/04/18	8270C	<0.01	<0.01		0.016		<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	0.043	0.014	<0.01	<0.01	0.01		<0.01	<0.01		
	02/16/18	8270C	<0.01	<0.01		<0.02		<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	0.0082	0.087	0.025	<0.01	<0.01	0.02		0.005	<0.01		
	06/14/17	8270C	0.0085	<0.01		<0.02		<0.01	<0.01	<0.01	<0.01	0.0051			<0.01	<0.01	0.007	0.079	0.023	<0.01	<0.01	0.019		0.008	<0.01		
MKTf-19	03/01/17	8270C	0.0055	<0.01		<0.02		0.0075	<0.01	0.0026	<0.01	<0.01			0.0032	<0.01	0.0062	0.063	0.024	<0.01	<0.01	0.017		0.0049	<0.01		
	11/28/18	8270C	<0.01	<0.01		<0.02		<0.01		0.008	<0.01				<0.01	<0.01	<0.01	0.12	0.21	<0.01	<0.01	0.4		<0.01	0.011	<0.01	
	08/24/18	8270C	<0.01	<0.01		<0.02		<0.01		0.0078	<0.01				<0.01	0.0074	<0.01	0.14	0.23	<0.01	<0.01	0.31		<0.01	0.015	<0.01	
	05/04/18	8270C	<0.01	<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	0.091	0.17	<0.01	<0.01	0.24		<0.01	0.013	<0.01	
	02/16/18	8270C	0.0049	<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	0.0041	0.0065	0.12	0.22	<0.01	<0.01	0.31		<0.01	0.014	<0.01	
	12/01/17	8270C	<0.01	<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	0.18	0.27	<0.01	<0.01	0.34		<0.01	<0.01	<0.01	
	09/26/17	8270C	<0.01	<0.01		<0.02		0.0097		0.0055	<0.01				<0.01	0.003	0.0043	0.1	0.16	<0.01	<0.01	0.21		<0.01	0.0091	<0.01	
MKTf-20	06/14/17	8270C	0.0042	<0.01		<0.02		0.0051		0.0062	<0.01				<0.01	0.006	0.0045	0.11	0.16	<0.01	<0.01	0.28		0.0055	0.015	<0.01	
	03/15/17	8270C	0.0036	<0.01		<0.02		0.0073		0.0046	0.0034				<0.01	0.0052	0.0039	0.088	0.12	<0.01	0.0024	0.21		0.0031	0.0079	<0.01	
	11/29/18	8270C		<0.01	<0.01	0.026	<0.01	0.012	<0.01	<0.01	<0.01				<0.05	0.24	<0.01	0.011	0.0063	0.0098	0.016	0.031	<0.02	<0.01	0.028		<0.01
	08/31/18	8270C		<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	<0.01	<0.01	<0.01	<0.01	<0.01
	05/11/18	8270C		<0.1	<0.1	0.16	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	0.24	<0.1	<0.1	<0.1	<0.1	0.054	0.15	<0.2	<0.1	0.073		<0.1
	02/15/18	8270C		<0.05	<0.05	0.071	<0.05	<0.05	<0.05	<0.05	<0.05				<0.05	0.04	<0.05	0.065	0.077	0.027	<0.05	0.31	<0.1	<0.05	0.23		<0.05
	11/29/17	8270C		<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05				<0.05	0.044	<0.05	0.059	0.061	0.028	<0.05	0.2	<0.1	<0.05	0.085		<0.05
MKTf-21	09/26/17	8270C		<0.01	<0.01	0.025	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	0.066	<0.01	0.037	0.041	0.07							

Table 2
Groundwater Analyses Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a) anthracene (mg/L)	Benzoic Acid (mg/L)	BenzyI alcohol (mg/L)	Bis(2- ethylhexyl) phthalate (mg/L)	Butyl benzyI phthalate (mg/L)	Carbazole (mg/L)	Di-n-octyl phthalate (mg/L)	Dibenzo furan (mg/L)	1,4- Dichlorob enzene (mg/L)	Diethyl phthalate (mg/L)	Dimethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Pentachloro phenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.03	0.001	NE	0.005	NE	NE
40 CFR 141.61 MCL			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	0.075	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.001	NE	NE	NE	NE
NMED Tap Water (MAR 2019)			0.535	NE	0.00012	NE	NE	0.0556	NE	NE	NE	NE	0.00482	14.8	0.612	0.354	0.288	0.0114	0.035	NE	NE	0.00165	0.0004	0.17	5.76	0.117	NE
EPA RSL for Tap Water (NOV 2018)			0.53	0.013	0.00003	75	2	0.0056	0.0016	NE	0.2	0.0079	0.00048	15	NE	0.36	0.29	0.0011	0.036	0.93	0.93	0.00017	0.000041	NE	5.8	0.12	0.02
WELL ID	DATE SAMPLED	METHOD																									
MTKF-25	11/15/18	8270C		<0.01		0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0045		<0.01	0.0044		
	08/17/18	8270C		<0.01		0.0099		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	0.023		
	05/06/18	8270C		<0.01		0.021		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/05/18	8270C		<0.01		0.018		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	0.0085	<0.01	<0.01	<0.01	0.0053		<0.01	0.0068		
	11/21/17	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	0.0047				<0.01	<0.01	<0.01	0.0059	<0.01	<0.01	<0.01	0.0045		<0.01	0.0044		
	09/25/17	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	0.0075	<0.01	<0.01	<0.01	0.007		<0.01	0.012		
	06/05/17	8270C		<0.01		0.0083		0.005	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	0.0076		
MTKF-26	03/29/17	8270C		<0.01		0.008		0.0061	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	0.0035	<0.01	<0.01	<0.01	<0.01		<0.01	0.0053		
	06/09/16	8270C		<0.01		<0.02		0.0039		<0.01	0.0052				0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/22/16	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/04/15	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	08/20/15	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01		<0.01	0.018		
	06/10/15	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01		<0.01	0.014		
	03/11/15	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	0.014		
MTKF-27	11/14/14	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01		<0.01	<0.01		
	09/24/14	8270C		<0.01		<0.02		<0.01		<0.01						<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01		<0.01	0.013		
	04/08/14	8270C		<0.012		<0.023		<0.012		<0.012						<0.012	<0.012	<0.012	<0.012	<0.023	<0.012	<0.012		<0.012	<0.012		
	11/15/18	8270C		<0.01	<0.01	0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	08/20/18	8270C		<0.01	<0.01	0.008		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	05/01/18	8270C		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	02/06/18	8270C		<0.01	0.0046	0.0058		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	0.0046	
MTKF-28	11/20/17	8270C		<0.01	<0.01	0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	10/03/17	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	06/05/17	8270c		<0.01	<0.01	0.0068		0.0053	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	03/29/17	8270C		<0.01	<0.01	0.0064		0.0063	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	11/15/18	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	08/20/18	8270C		<0.01		0.0079		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
	05/01/18	8270C		<0.01		0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
MTKF-29	02/06/18	8270C		</																							

Table 2
Groundwater Analyses Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a) anthracene (mg/L)	Benzoic Acid (mg/L)	Benzyol alcohol (mg/L)	Bis(2- ethylhexyl) phthalate (mg/L)	Butyl benzyol phthalate (mg/L)	Carbazole (mg/L)	Di-n-octyl phthalate (mg/L)	Dibenzo furan (mg/L)	1,4- Dichlorob enzene (mg/L)	Diethyl phthalate (mg/L)	Dimethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Pentachloro phenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.03	0.001	NE	0.005	NE	NE
40 CFR 141.61 MCL			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	0.075	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.001	NE	NE	NE	NE
NMED Tap Water (MAR 2019)			0.535	NE	0.00012	NE	NE	0.0556	NE	NE	NE	NE	0.00482	14.8	0.612	0.354	0.288	0.0114	0.035	NE	NE	0.00165	0.0004	0.17	5.76	0.117	NE
EPA RSL for Tap Water (NOV 2018)			0.53	0.013	0.00003	75	2	0.0056	0.0016	NE	0.2	0.0079	0.00048	15	NE	0.36	0.29	0.0011	0.036	0.93	0.93	0.00017	0.000041	NE	5.8	0.12	0.02
WELL ID	DATE SAMPLED	METHOD																									
MKTf-33	09/25/17	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	06/06/17	8270C		<0.01		0.0081		0.0054	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	03/07/17	8270C		<0.01		0.026		0.0077	<0.01	<0.01	0.0004				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/28/18	8270C		<0.1		<0.2		<0.1	<0.01	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1			
	08/30/18	8270C		<0.01		0.0069		0.014	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	05/10/18	8270C		<0.01		0.011		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/08/18	8270C		<0.01		0.0072		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/28/17	8270C		<0.01		0.0045		0.005	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
MKTf-34	09/25/17	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	06/08/17	8270C		<0.01		0.0068		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	03/08/17	8270C		<0.01		0.0077		0.0083	<0.01	<0.01	0.0037				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/28/18	8270C		<0.1		<0.2		<0.1		<0.1	<0.1					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1		
	08/24/18	8270C		<0.01		0.0071		<0.01		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	05/04/18	8270C		<0.01		0.011		<0.01		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/16/18	8270C		<0.01		0.0089		<0.01		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	12/01/17	8270C		<0.01		0.0065		<0.01		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
MKTf-35	09/26/17	8270C		<0.01		0.006		0.21		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	06/14/17	8270C		<0.01		0.009		0.0049		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	03/01/17	8270C		<0.01		<0.02		0.0078		<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/28/18	8270C		<0.01		0.018		<0.01	<0.01	<0.01	<0.01		<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	08/23/18	8270C		<0.01		0.0071		<0.01	<0.01	<0.01	<0.01		<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	05/03/18	8270C		<0.01		0.014		<0.01	<0.01	<0.01	<0.01		<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	02/15/18	8270C		<0.01		0.008		0.0067	<0.01	<0.01	<0.01		0.0031			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	11/30/17	8270C		<0.01		0.0083		0.011	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
MKTf-36	09/27/17	8270C		<0.01		0.0075		0.0057	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	06/14/17	8270c		<0.01		0.013		<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	03/01/17	8270C		<0.01		<0.02		0.0076	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		
	09/05/18	8270C	0.011	<0.01		<0.02		<0.01	<0.01	0.0089	<0.01	<0.01				0.0092	0.014	0.27	0.41	<0.01	<0.01	0.42		0.01	0.048		
	05/03/18	8270C	0.0078	<0.01		<0.02		<0.01	<0.01	0.0074	<0.01	<0.01				<0.01	0.01	0.19	0.32	<0.01	<0.01	0.33		0.006			

Table 2
Groundwater Analyses Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a) anthracene (mg/L)	Benzoic Acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2- ethylhexyl) phthalate (mg/L)	Butyl benzyl phthalate (mg/L)	Carbazole (mg/L)	Di-n-octyl phthalate (mg/L)	Dibenzo furan (mg/L)	1,4- Dichlorob enzene (mg/L)	Diethyl phthalate (mg/L)	Dimethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Pentachloro phenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)	
WQCC 20 NMAC 6.2.3103 (DEC 2018)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.03	0.001	NE	0.005	NE	NE	
40 CFR 141.61 MCL			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	0.075	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.001	NE	NE	NE	NE	
NMED Tap Water (MAR 2019)			0.535	NE	0.00012	NE	NE	0.0556	NE	NE	NE	NE	0.00482	14.8	0.612	0.354	0.288	0.0114	0.035	NE	NE	0.00165	0.0004	0.17	5.76	0.117	NE	
EPA RSL for Tap Water (NOV 2018)			0.53	0.013	0.00003	75	2	0.0056	0.0016	NE	0.2	0.0079	0.00048	15	NE	0.36	0.29	0.0011	0.036	0.93	0.93	0.00017	0.000041	NE	5.8	0.12	0.02	
WELL ID	DATE SAMPLED	METHOD																										
MKTf-41	08/29/18	8270C		<0.01		0.0066		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01			
	05/09/18	8270C		<0.01		0.016		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01			
	02/07/18	8270C		<0.01		0.0095		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01			
	11/27/17	8270C		<0.01		0.0047		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01			
	09/25/17	8270C		<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01			
	06/06/17	8270C		<0.01		0.0088		0.0063		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	03/07/17	8270C		<0.01		0.0082		0.0077		<0.01	0.0042				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
MKTf-42	11/15/18	8270C		<0.05		0.11		<0.05		<0.05	<0.05				<0.05	<0.05	<0.05	0.29	0.13	<0.05	<0.05	0.16			<0.05	<0.05		
	08/29/18	8270c		<0.1		0.094		<0.1		<0.1	<0.1				<0.1	<0.1	<0.1	0.2	0.3	<0.1	<0.1	<0.1			<0.1	<0.1		
	05/09/18	8270C		<0.05		0.069		<0.05		<0.05	<0.05				<0.05	<0.05	<0.05	0.34	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05		
	02/07/18	8270C		<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	11/27/17	8270C		<0.05		0.052		<0.05		<0.05	0.025				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.034			<0.05	<0.05		
	09/25/17	8270C		<0.2		<0.4		<0.2		<0.2	<0.2				<0.2	<0.2	<0.2	0.27	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2		
	06/06/17	8270C		<0.01		<0.02		<0.01		<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	0.0052	<0.01	<0.01	0.012			<0.01	<0.01		
MKTf-43	03/07/17	8270C		<0.01		<0.02		0.0096		<0.01	0.0044				0.022	<0.01	<0.01	0.15	<0.010	<0.01	<0.01	0.014			<0.01	<0.01		
	11/15/18	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	08/30/18	8270C		<0.01	<0.01	0.0064		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	05/09/18	8270C		<0.01	<0.01	0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	02/07/18	8270C		<0.01	0.0041	0.0072		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	11/27/17	8270C		<0.01	<0.01	0.0086		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	09/25/17	8270C		<0.01	<0.01	<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
MKTf-44	06/06/17	8270C		<0.01	<0.01	0.011		0.0091	<0.01	<0.01	0.005				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	03/08/17	8270C		<0.01	<0.01	0.0063		0.0071	<0.01	<0.01	0.0034				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	11/28/18	8270C		<0.05		<0.1		<0.05	<0.05	<0.05	<0.05				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05		
	08/30/18	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	05/10/18	8270C		<0.01		<0.02		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	02/08/18	8270C		<0.01		0.012		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	11/28/17	8270C		<0.01		0.011		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	09/25/17	8270C		<0.01		<0.02		0.024	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	06/05/17	8270C		<0.01		0.007		0.0067	<0.01	<0.01	0.0047				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		
	03/08/17	8270C		<0.01		0.0062		0.008	<0.01	<0.01	0.0036				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01		

DEFINITIONS
NE = Not established
NA = Not analyzed
Bold and highlighted values represent values above the applicable standards

STANDARDS
WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
a) Human Health Standards; b) Other Standards for Domestic Water
40 CFR 141.61 Maximum Contaminant Levels for Organic Contaminants
NMED Risk Assessment Guidance for Investigations and Remediations Table A-1
EPA Regional Screening Level (RSL) Summary Table



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Appendix C - C-141 Form – Gasoline Release

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Marathon – Gallup Refinery	OGRID
Contact Name: JOHN MOORE	Contact Telephone: 505-722-0205
Contact email: JMOORE5@MARATHONPETROLEUM.COM	Incident # (assigned by OCD)
Contact mailing address: 92 Giant Crossing Road, Gallup, NM 87301	

Location of Release Source

Latitude 35°29'29.70"N

Longitude 108°25'25.00"W

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Gallup Refinery	Site Type: Refinery
Date Release Discovered: 10/27/19	API# (if applicable)

Unit Letter	Section	Township	Range	County
SWNE	33	15N	15W	McKinley

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Unleaded Gasoline	Estimated greater than 100 BBLS Gasoline to ground	No significant recovery to date

Cause of Release

On 10/27/19 staining, that was initially thought to be historic, was discovered on the ground W of the truck rack. Hydrocarbon was found to be seeping out of the ground into a stormwater ditch. An earthen berm was placed to stop flow in the ditch and a vac truck was used to vacuum up any hydrocarbon and water accumulating. There has been no significant amount of hydrocarbon accumulating. Once it was determined that the leak was from an underground transfer line, the line was blocked in. Repair of the line is in progress.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The quantity is estimated to be greater than 25 BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? John Moore notified Carl Chavez, OCD, on 11/5/19, after it was determined the leak was likely greater than 100 BBLS.	

Initial Response

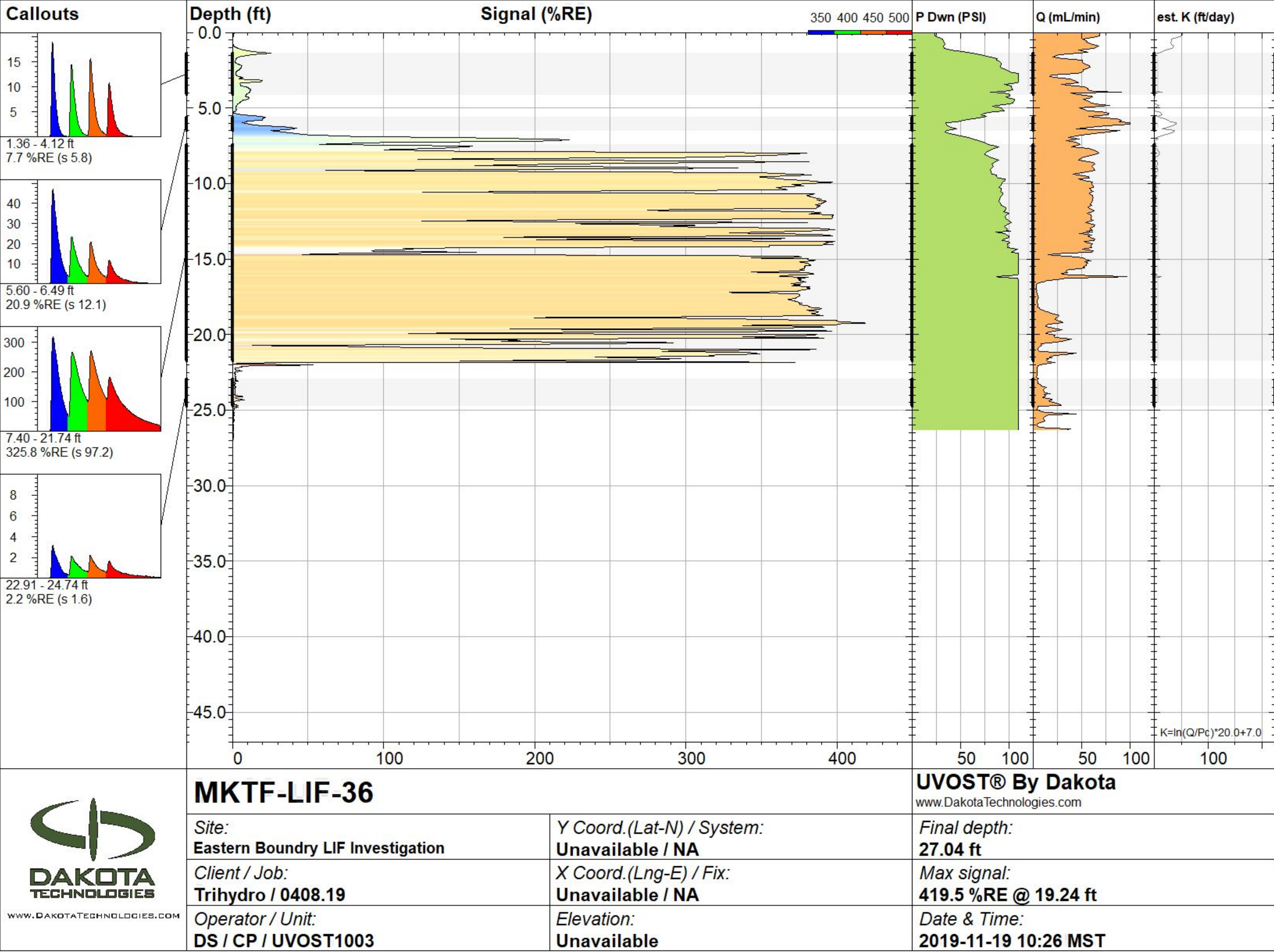
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

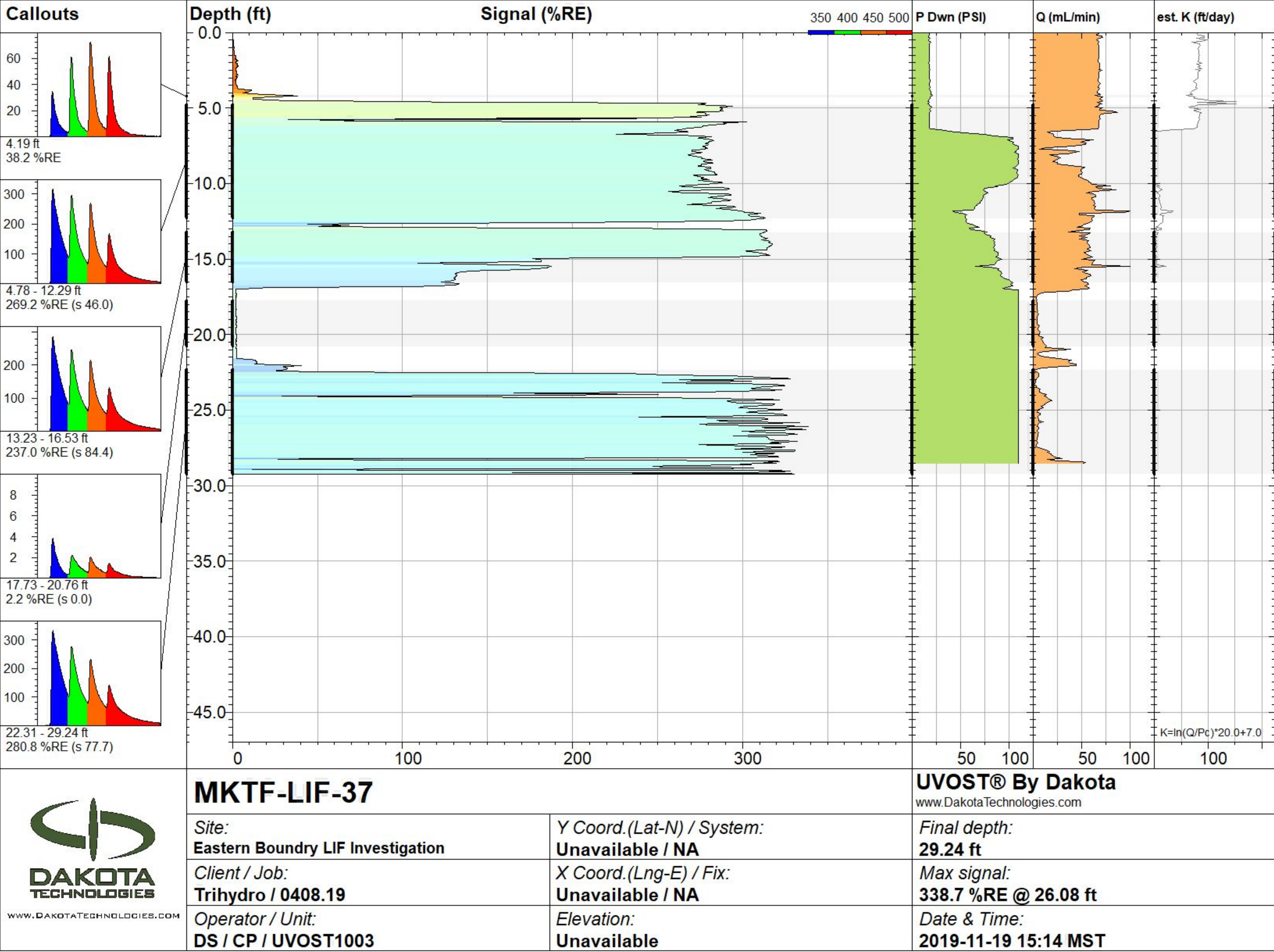
☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>John Moore</u>	Title: <u>ENVIRONMENTAL SUPERINTENDENT</u>
Signature: <u>[Signature]</u>	Date: <u>11-7-19</u>
email: <u>jmoore5@marathonpetroleum.com</u>	Telephone: <u>505-863-3205</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

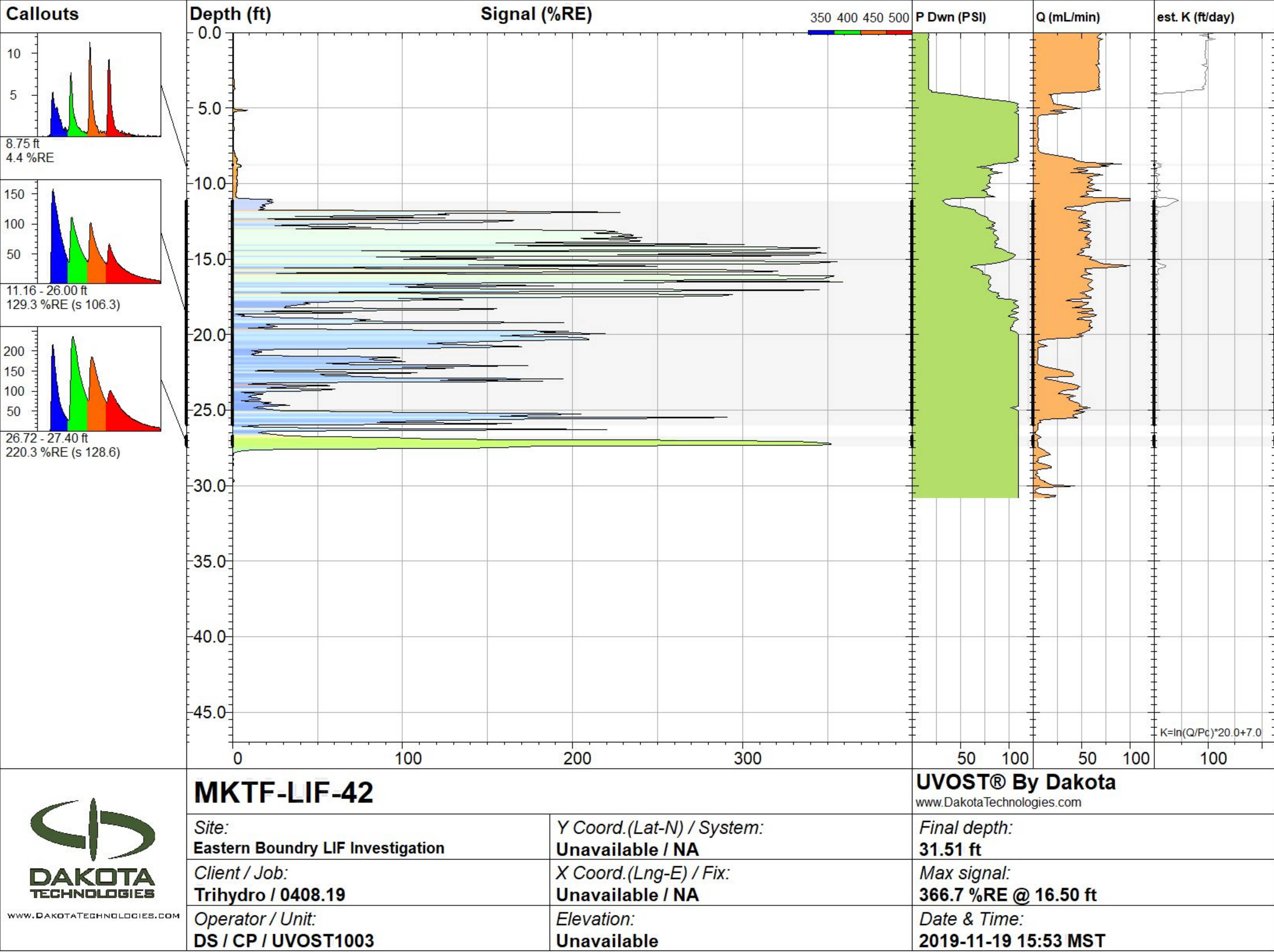


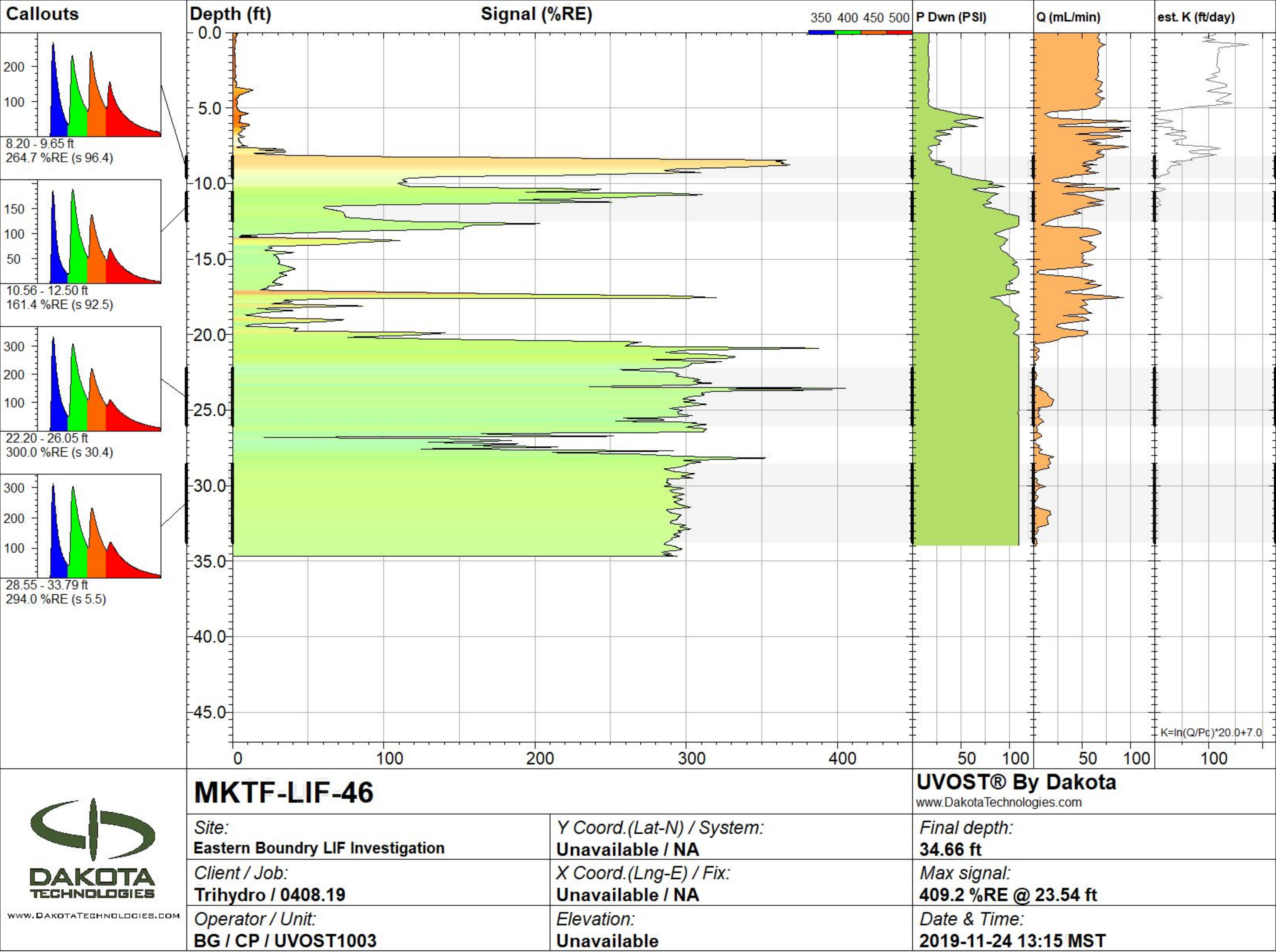
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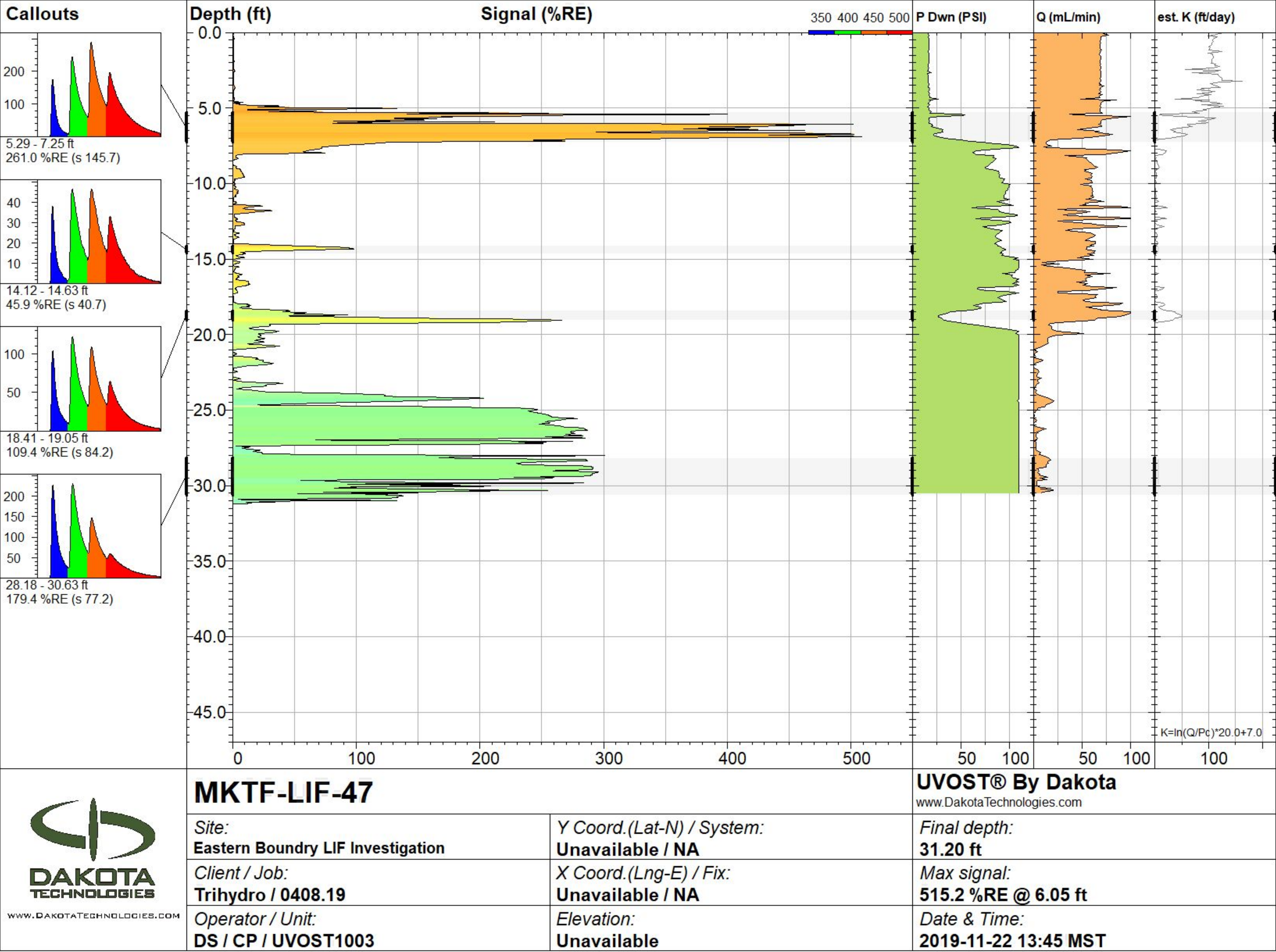
Appendix D - UVOST Boring Logs

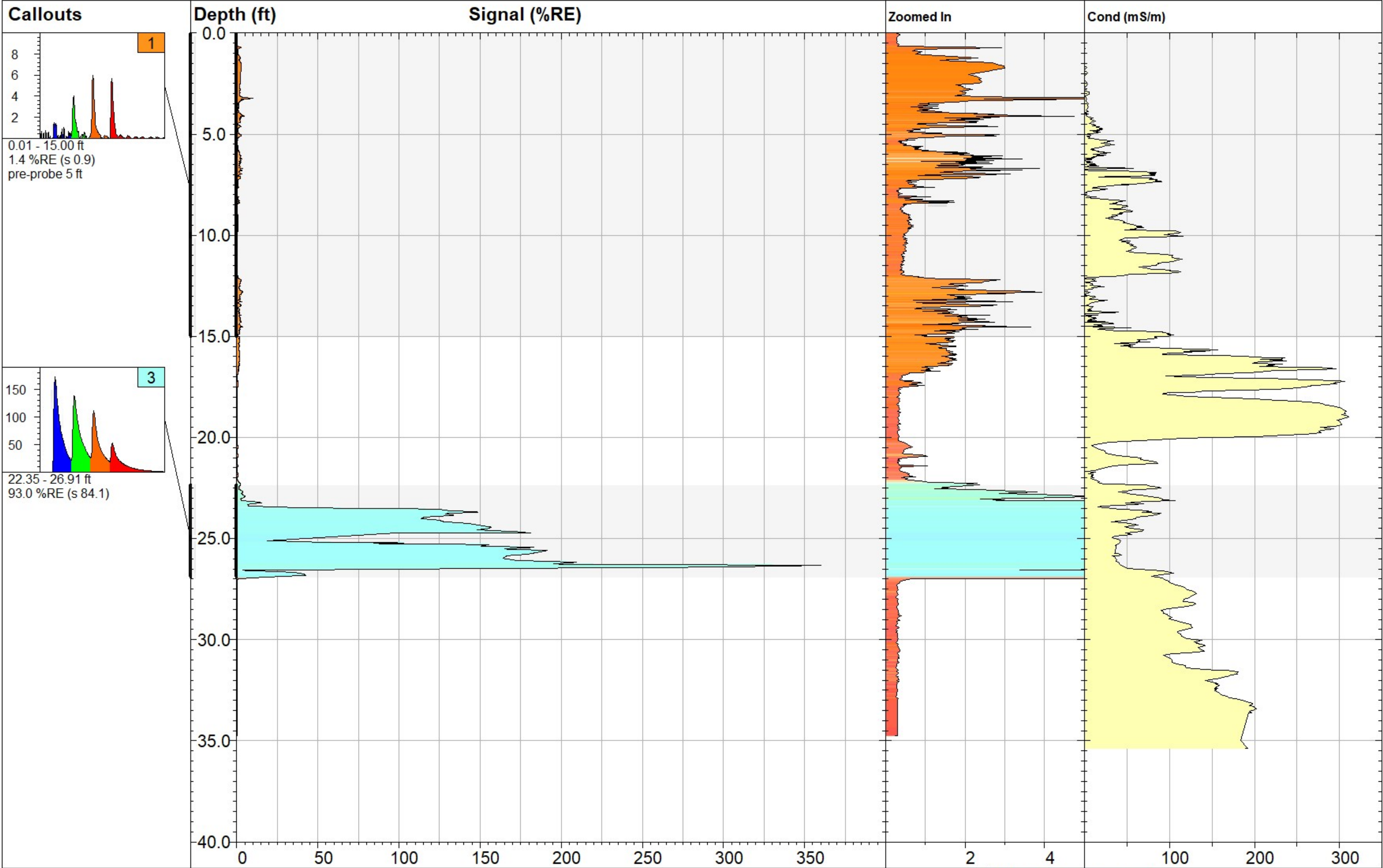




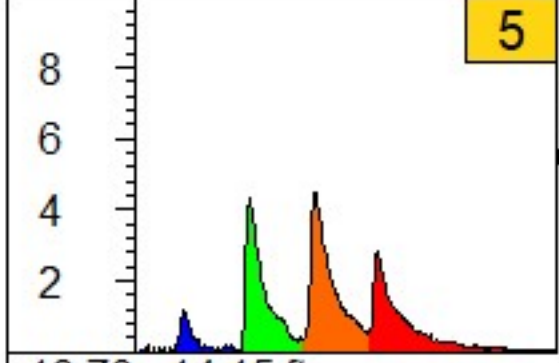
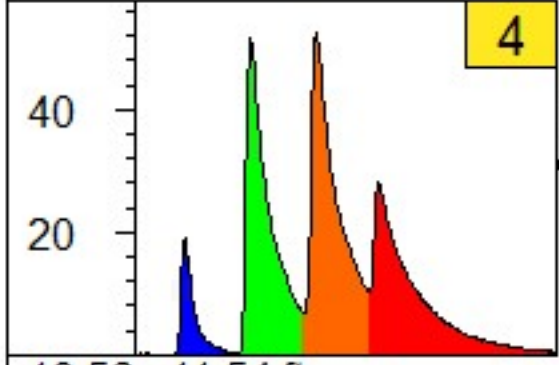
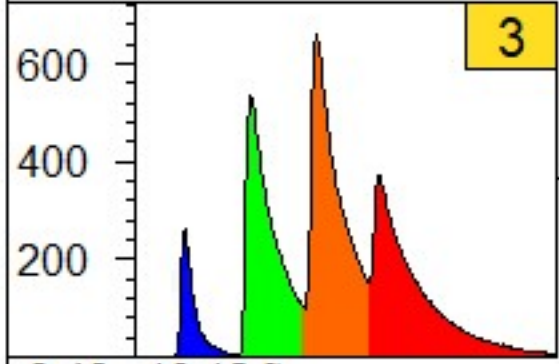
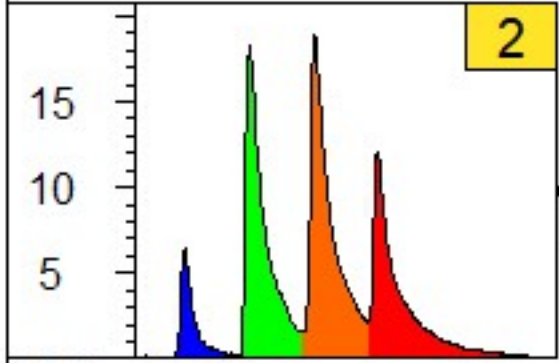
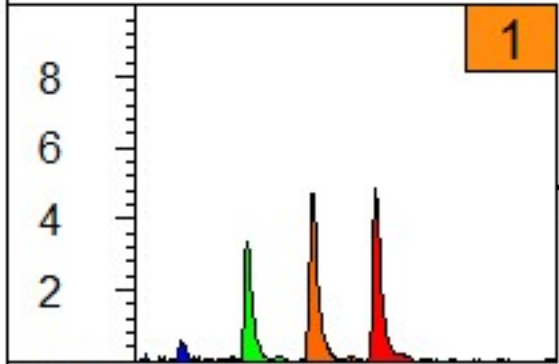
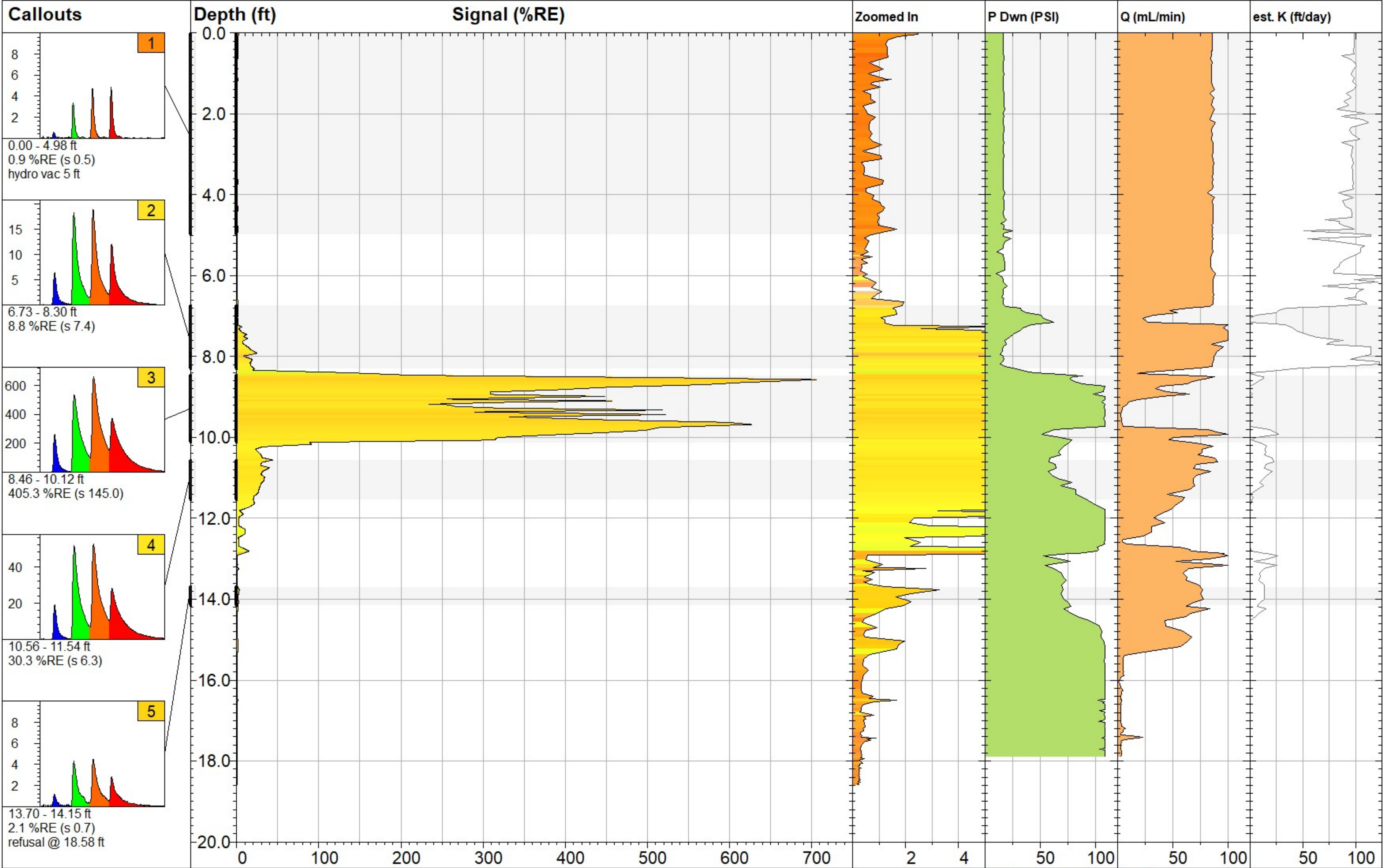




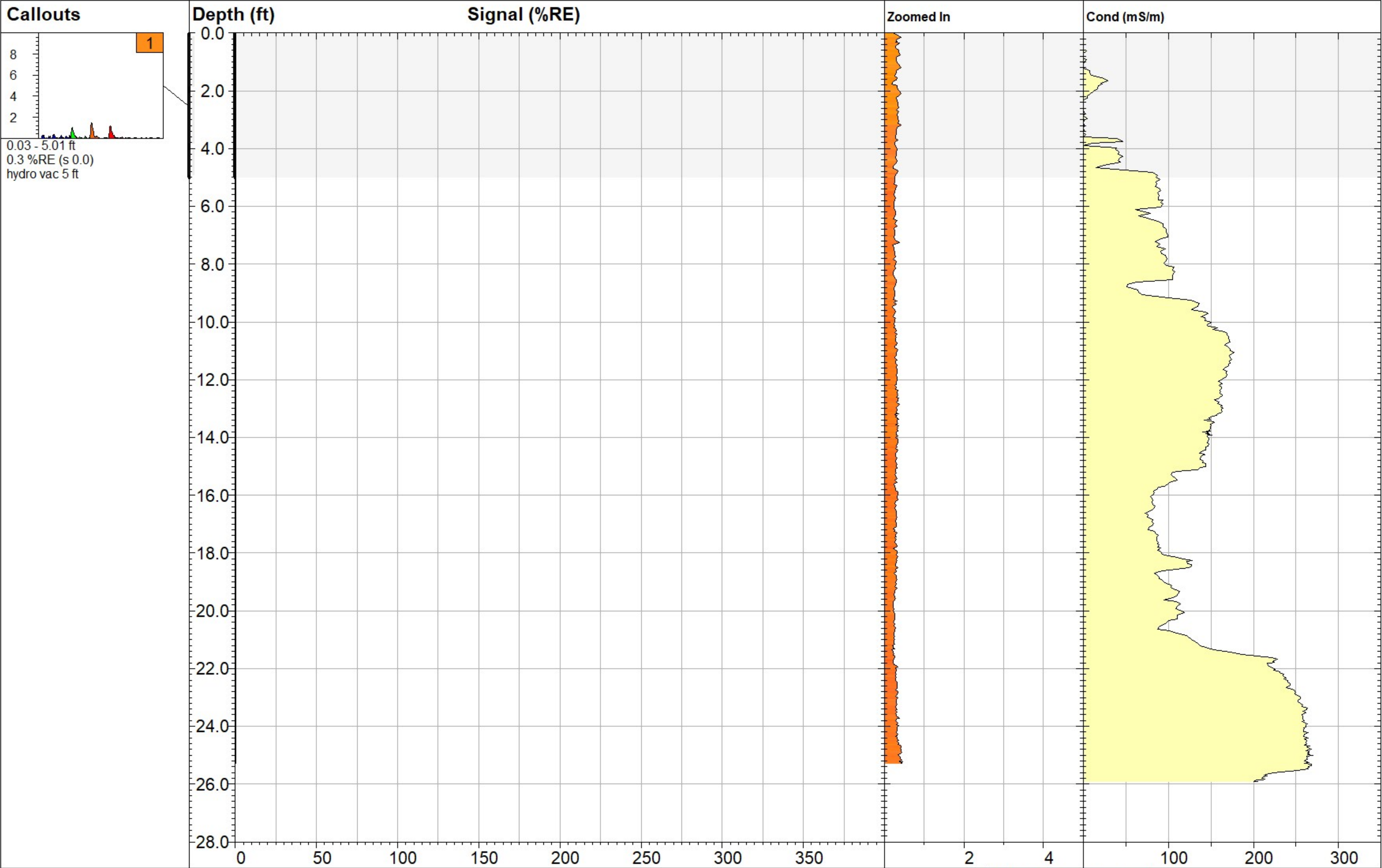


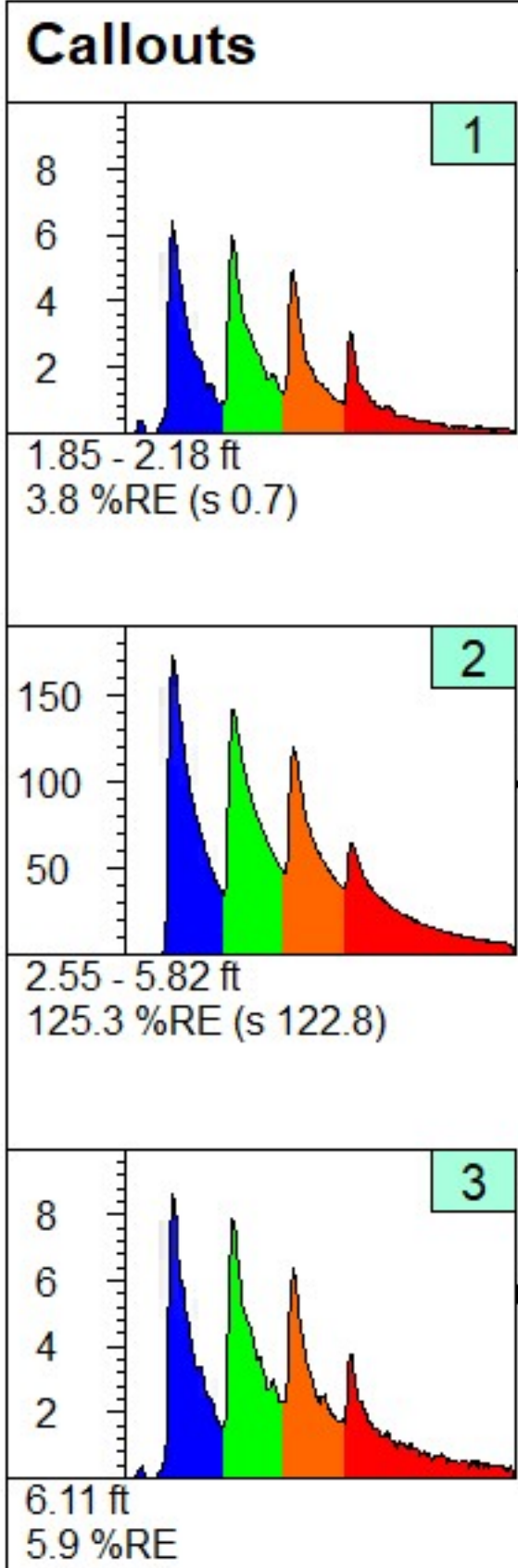
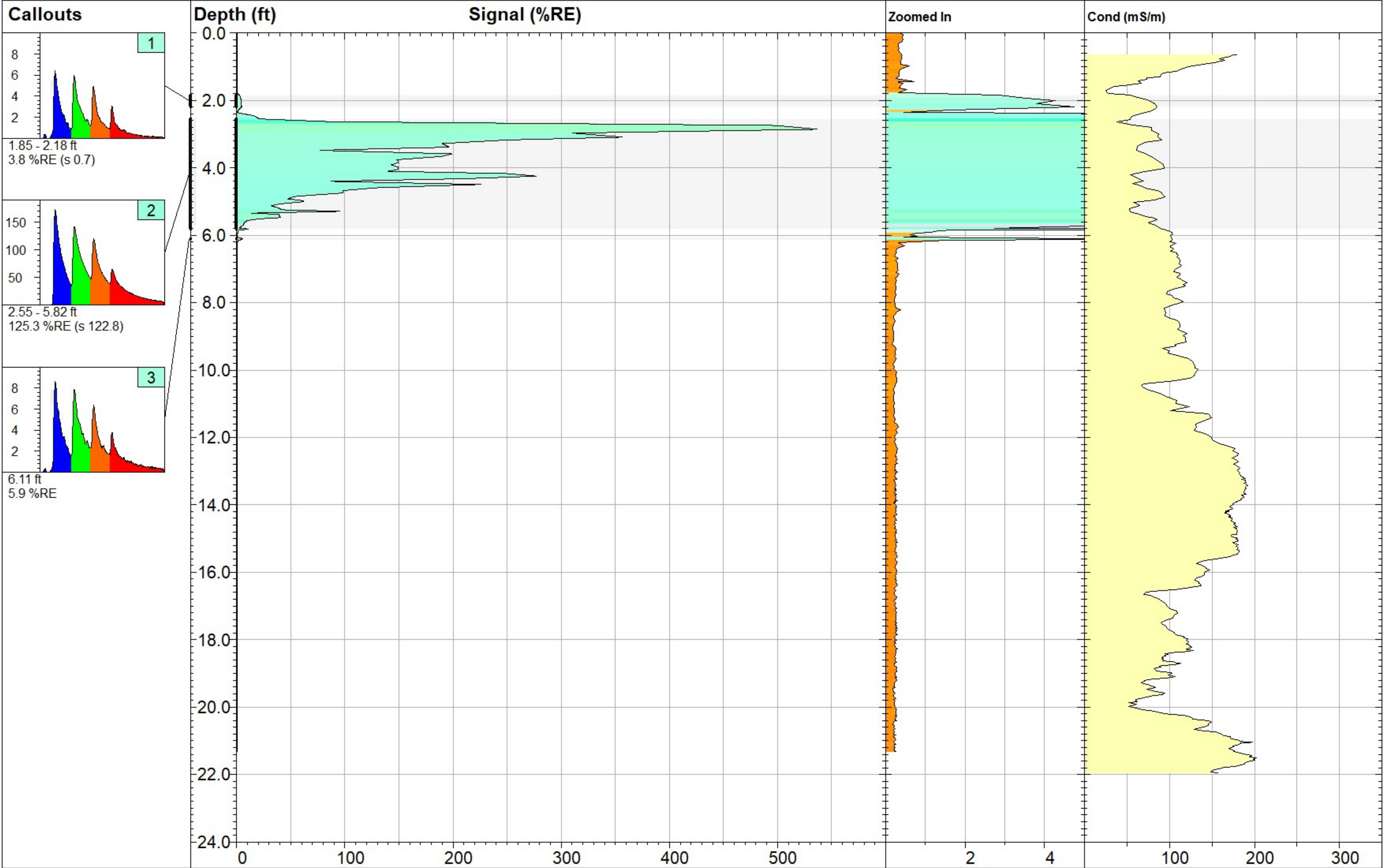


 www.DAKOTATECHNOLOGIES.COM	MKTF-LIF-62			UVOST® By Dakota www.DakotaTechnologies.com	
	Site: Marathon Marketing Tank Farm	Y Coord.(Lat/North): Unavailable		Final Depth: 34.76 ft	
	Client / Job: TriHydro / 0049.21	X Coord.(Long/East): Unavailable		Max Signal: 361.3 %RE @ 26.32 ft	
	Operator / Unit: A. Nagle / UVOST1613	Elevation: Unavailable		Date & Time: 2021-02-03 11:18 MST	

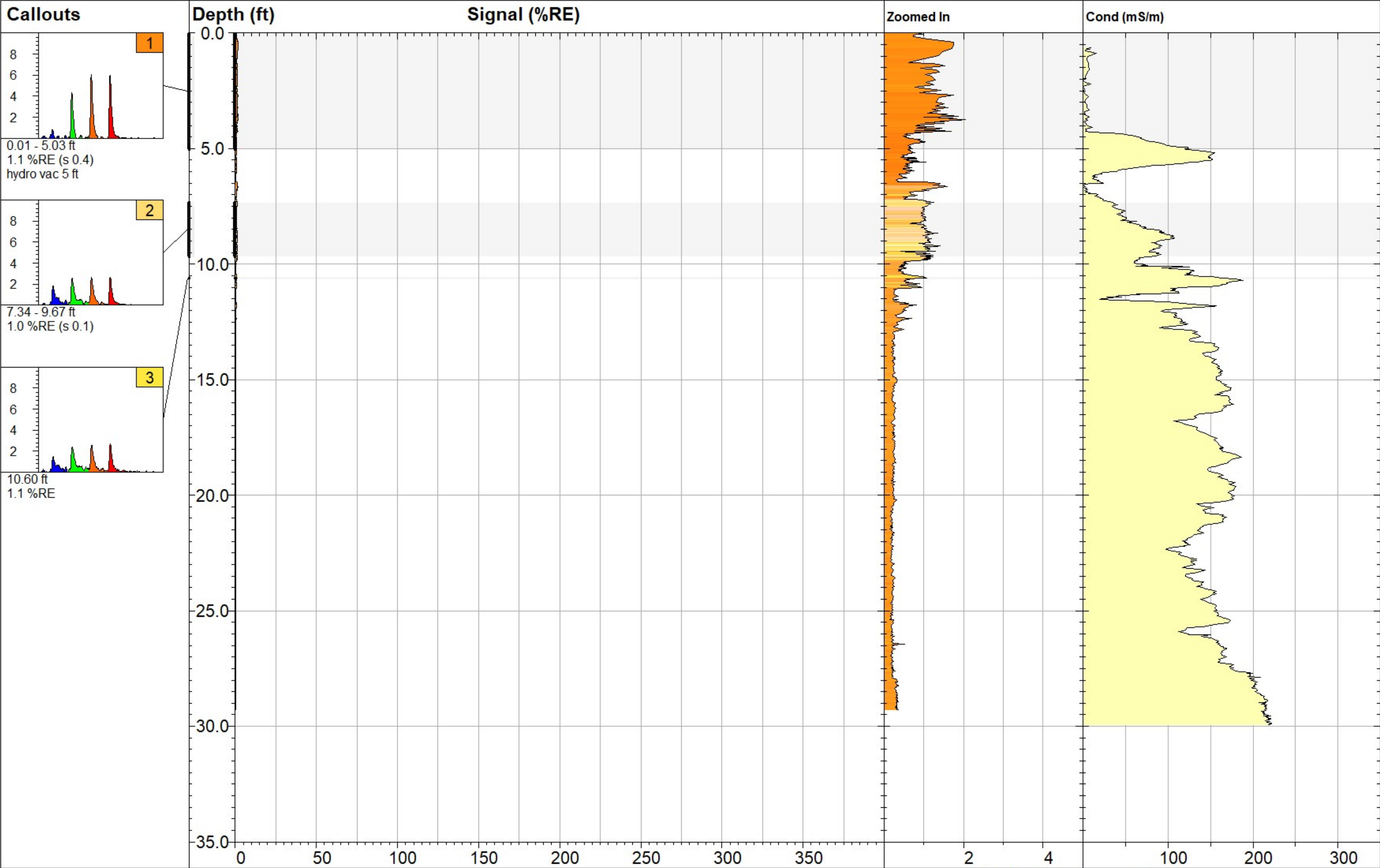


 www.DAKOTATECHNOLOGIES.COM		MKTF-LIF-66		UVOST® By Dakota www.DakotaTechnologies.com	
Site: Marathon Marketing Tank Farm		Y Coord.(Lat/North): Unavailable		Final Depth: 18.58 ft	
Client / Job: TriHydro / 0049.21		X Coord.(Long/East): Unavailable		Max Signal: 708.9 %RE @ 8.57 ft	
Operator / Unit: A. Nagle / UVOST1613		Elevation: Unavailable		Date & Time: 2021-02-01 14:28 MST	





 DAKOTA TECHNOLOGIES WWW.DAKOTATECHNOLOGIES.COM	MKTF-LIF-74			UVOST® By Dakota www.DakotaTechnologies.com	
	Site: Marathon Marketing Tank Farm	Y Coord.(Lat/North): Unavailable		Final Depth: 21.33 ft	
	Client / Job: TriHydro / 0049.21	X Coord.(Long/East): Unavailable		Max Signal: 537.6 %RE @ 2.86 ft	
	Operator / Unit: A. Nagle / UVOST1613	Elevation: Unavailable		Date & Time: 2021-02-04 09:16 MST	



 www.DAKOTATECHNOLOGIES.COM	MKTF-LIF-78			UVOST® By Dakota www.DakotaTechnologies.com	
	Site: Marathon Marketing Tank Farm	Y Coord.(Lat/North): Unavailable		Final Depth: 29.29 ft	
	Client / Job: TriHydro / 0049.21	X Coord.(Long/East): Unavailable		Max Signal: 2.0 %RE @ 3.74 ft	
	Operator / Unit: A. Nagle / UVOST1613	Elevation: Unavailable		Date & Time: 2021-02-04 13:47 MST	



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Appendix E - Investigation Derived Waste Management Plan

**APPENDIX E. INVESTIGATION DERIVED WASTE MANAGEMENT PLAN
WESTERN REFINING SOUTHWEST, LLC.
MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

All investigation derived waste (IDW) will be properly characterized and disposed of in accordance with all federal, State, and local rules and regulations for storage, labeling, handling, transport, and disposal of waste. The IDW may be characterized for disposal based on the known or suspected contaminants potentially present in the waste.

A dedicated decontamination area will be setup prior to any sample collection activities. The decontamination pad will be constructed so as to capture and contain all decontamination fluids (e.g., wash water and rinse water) and foreign materials washed off the sampling equipment. The fluids will be pumped directly into suitable storage containers (e.g., labeled 55-gallon drums), which will be located at satellite accumulation areas until the fluids are disposed in the refinery wastewater treatment system upstream of the API separator. The solids captured in the decontamination pad will be shoveled into 55-gallon drums and stored at the designated satellite accumulation area pending proper waste characterization for off-site disposal.

Drill cuttings generated during installation of soil borings will be placed directly into 55-gallon drums and staged in the satellite accumulation area pending results of the waste characterization sampling. The portion of soil cores, which are not retained for analytical testing, will be placed into the same 55-gallon drums used to store the associated drill cuttings.

The solids (e.g., drill cuttings and used soil cores) will be characterized by testing to determine if there are any hazardous characteristics in accordance with 40 Code of Federal Regulations Part 261. This includes tests for ignitability, corrosivity, reactivity, and toxicity. If the materials are not characteristically hazardous, then further testing will be performed pursuant to the requirements of the facility to which the materials will be transported. Depending upon the results of analyses for individual investigation soil samples, additional analyses may include volatile organic carbons, total petroleum hydrocarbons, and polynuclear aromatic hydrocarbons.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 45946

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 45946
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
scwells	Accepted for Record Retention Purposes-Only	11/22/2022