SCS ENGINEERS

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Ms. Cindy Koepke, PG, Hydrogeologist Remediation & Redevelopment Program Wisconsin Department of Natural Resources - South Central Region 3911 Fish Hatchery Road Fitchburg, WI 53711

Subject: Site Investigation Update Report

Former Bob's Citgo, 602 W. Madison Avenue, Milton, Wisconsin

BRRTS #03-54-000193

Dear Cindy:

SCS Engineers (SCS) is submitting this report on behalf of Mr. Robert Richardson for the former Bob's Citgo and Badgerland Coop leaking underground storage tank (LUST) case at the above-referenced property. The scope of the investigation was based on your comments in a letter to Mr. Robert Richardson, dated September 10, 2021, and was outlined in a work plan submitted on October 13, 2021.

1.0 BACKGROUND

This case was first opened by the Wisconsin Department of Natural Resources (WDNR) in 1983. Groundwater was first sampled in November 2010. Petroleum contamination was identified in soil and groundwater at the site. Sampling of the subslab vapors below the station building in 2015 and 2016 did not identify any vapor intrusion concerns. Groundwater sampling data indicate groundwater impacts are present on site, free product is present in one well, and groundwater impacts extend off site to the west and south. Soil impacts are present mostly at depth, with most of the shallow impacted soil excavated when the underground storage tanks (USTs) were removed from the site in October 2019. Soil impacts extend to the east onto the Jim's Tire property and to the south to the right-of-way along W. Madison Avenue.

The location of the Bob's Citgo site is shown on Figure 1.

The Bob's Citgo property and the adjoining Jim's Tire property have a long history of use as auto repair facilities and gas stations. Following is a summary of additional background information obtained from WDNR files.

1.1 WI DOT ROW MADISON AVE. (BRRTS 09-54-546987)

A Phase 2 Site Investigation was conducted in 1992 by the Wisconsin Department of Transportation (WDOT) in in conjunction with planned improvements of Madison Avenue (STH 59). Three soil borings were installed in the road way adjacent Bob's Citgo and Jim's Tire. The approximate locations of the borings are shown on **Figure B.2.b.** The boring logs and a map showing boring locations are included in **Appendix A.** Field observations and analytical testing of soil samples from the borings for gasoline range organics (GRO) and diesel range organics (DRO) did not indicate any petroleum impacts.



A sketch map in the Phase 2 shows the location of gas pumps to the east of the Bob's Citgo building and the former location of the pump island, USTs, and the garage building on the adjacent 520 W. Madison Ave. property. The sketch map also shows gas pumps located between the Bob's Citgo building and the former Jim's Tire garage. These former locations are shown on **Figure B.2.b.** The sketch map is included in **Appendix A**.

In addition to the information about the site conditions in 1992, the WDOT Phase 2 also provides a summary of historic information that was obtained from the Phase 1 Site Assessment that was performed for the WDOT road project. Both the 602 and 520 W. Madison Avenue properties have been gas stations since the 1930's. Noted are the following:

602 West Madison Avenue (Bob's Citgo)

- Formerly Milton Coop Creamery as shown on 1909 Sanborn map.
- Creamery demolished in the 1930's and "Filling Station" with three fuel tanks present.
- Site has been a gas station since the 1930's.

520 West Madison Avenue (Jim's Tire)

- Operated as an auto repair shop and gas station since 1928.
- The 1930 Sanborn shows four tanks adjacent STH 59, near the location of the pump island, and west of the tanks that were onsite in 1992. (The approximate location of the tanks present on site in the 1930's is shown on **Figure B.2.a.**).
- Site has been a gas station since the 1930's.
- The three gas tanks and a waste oil tank onsite in 1992 were installed in 1974.

1.2 JIM'S TIRE (BRRTS CASE #02-54-286788)

Four UST systems containing gasoline and waste motor oil were removed on April 18, 1997. The tank closure report was not available from the WDNR files, but a Tank System Site Assessment (TSSA) was conducted and a report by Moraine Environmental, Inc. (MEI) dated January 8, 2002, includes the TSSA Checklist for Underground Tank Closure. Based on the checklist, no indicators of petroleum contaminated soils (no elevated photoionization detector [PID] readings, no odors) were observed by the site assessor or the certified inspector. The observations indicate that the area on Jim's Tire where the tank system was formerly located was not impacted by petroleum releases.

The current building on Jim's Tire was constructed in 2002. According to the Mr. James Oshel, owner of Jim's Tire, the former building was demolished and used to backfill the basement of the demolished building (personal communication with SCS on October 18, 2021).

The MEI report documents remedial activities conducted in response to discovery of petroleum contaminated soil in the area of new building construction (the current building) at Jim's Tire. In October 2001, during excavation of footings for the new building, possible petroleum contaminated

soils were identified by the excavation contractor. A composite soil sample was analyzed for BIO-3 landfill disposal parameters. The results identified the following petroleum related impacts:

Summary of detected parameters in a composite soil sample and disposal parameters	alyzed for BIO-3 landfill
Gasoline range organics (GRO)	150 mg/kg,
Diesel range organics (DRO)	6,300 mg/kg,
Total lead	950 mg/kg
TCLP lead	0.66 mg/l.

On November 19, 2001, MEI supervised the excavation and disposal of 127.43 tons of contaminated soil from the site. The soil was disposed at the Waste Management, Deer Track Landfill in Johnson Creek, Wisconsin. The contaminated soil was adjacent to a drain and catch basin system extending between floor drains in the service bays to a catch basin located outside of the building to the north. Eight soil samples were collected from the perimeters of the excavation and analyzed for GRO and petroleum volatile organic compounds (PVOCs) and lead. The approximate location of the soil excavation and locations of the samples are shown on **Figure B.2.a.**

MEI concluded that the WDNR case could be closed for the following reasons:

- Based on the results from the samples, the contaminated soils identified at the northern portion of the site were remediated.
- Soil contamination was not identified during the removal of the four UST systems in April, 1997.
- Redevelopment of the site including capping the site with pavement and the building eliminated the potentials for groundwater contamination or direct contact with any residual contaminated soils.

The WDNR concurred with MEI's conclusions, and on January 18, 2002, issued site closure with no further action for the property located at 520 West Madison.

2.0 OCTOBER 2021 SITE INVESTIGATION

On October 18 and 19, 2021, SCS installed seven soil borings, sampled soils, located on-site subsurface utilities, and conducted hydraulic conductivity tests. SCS evaluated field and laboratory data and prepared this update that documents the field investigation activities and presents the investigation results.

2.1 SOIL SAMPLING AND OTHER FIELD ACTIVITIES

SCS conducted the following field and related site investigation activities:

- Coordinated off-site access with the owner of Jim's Tire & Automotive.
- Installed six soil borings to depths of 15 to 20 feet below ground surface (bgs) depending
 on site location, potential source, and field-indicated contamination; and one boring near
 MW2 to 50 feet bgs. The purpose of the boring at MW2 is primarily to obtain stratigraphic
 information to help interpret the site hydrogeology.
- Logged and classified soil following the Unified Soil Classification System (USCS) and screened soils at approximately 2.5-foot intervals using a PID. Boring logs are included in Appendix A.
- Analyzed one to three soil samples per boring for PVOCs and naphthalene. Soil samples
 were analyzed by Pace Analytical Services, LLC, Green Bay, Wisconsin. The soil analytical
 results are summarized on Table A.2 and the analytical report is included in Appendix B.
- Abandoned soil borings consistent with NR 141 Wisconsin Administrative Code.
 Abandonment forms are included in Appendix A.
- Mapped on-site utilities for possible preferred pathways for contaminant migration and preferential recharge to the MW2 area.
- Conducted single well response (slug) tests at four selected wells (MW1, MW2, MW3, and MW10) and analyzed the data to evaluate hydraulic conductivity. Slug test data plots are included in Appendix C and slug test parameters and results are summarized on Table A.7.
- Shallow soil cuttings with no indication of petroleum contaminaiton, i.e. petroleum odors, staining, and elevated PID readings, were thin spread on-site or disposed in the on-site trash recepticals.
- Deeper soil cuttings with indications of petroleum contamination were contained in 5-gallon buckets and left on-site for disposal pending analytical results.

3.0 FINDINGS

3.1.1 Soil Impacts

Soil analytical results are summarized on **Table A.1**. **Figure B.2.a** shows the location of all the soil sampling locations, and the estimated horizontal extent of unsaturated contaminated soil that exceeded a groundwater pathway residual contamination level (RCL). Also shown is the estimated horizontal extent of unsaturated contaminated soil that exceeded a non-industrial direct contact RCL.

Soil contamination has been removed from on-site through remedial soil excavation conducted in association with underground tank removal. The following information is from the documentation report prepared by Seymour Environmental Services, Inc. (2/14/2020).

- Soil in the former tank area was excavated to a depth of about 19 feet at the north end
 of the excavation and to a depth of about 15 feet at the south end of the excavation.
 Approximately 885 tons of contaminated soil were removed from the tank area and
 disposed at a landfill.
- Soil in the area of the former pump islands located adjacent West Madison Avenue was
 excavated to a depth of about 5 feet. Approximately 115 tons of contaminated soil were
 removed from this area and disposed at a landfill.
- A total of 1,000 tons of contaminated soil was removed from the site and disposed at a landfill.

3.1.2 Residual Soil Impacts

Soil contamination exceeding groundwater pathway RCLs remains on-site north of the tank excavation, east of the tank excavation along the property line, and on the west side of Jim's Tire property. A small area of soil contamination exceeding groundwater pathway RCLs also remains south of the Bob's Citgo building in the area of the former pump island, and extends into the right-of-way along West Madison Avenue.

Soil contamination exceeding non-industrial direct contact RCLs remains in a small area at the east end of the former pump island, and in a small area near the southwest corner of the Jim's Tire building (**Figure B.2.a**).

3.1.3 Groundwater Impacts

Groundwater analytical results are summarized on **Table A.1**. Groundwater levels and elevations are summarized on the attached **Table A.6**. Monitoring wells were last sampled in July 2021.

Figure B.3.b shows the location of all the groundwater monitoring wells, and the estimated extent of groundwater contamination that exceeds an NR 140 preventive action limit (PAL) or enforcement standard exceedance (ES). Currently the groundwater plume extends off site to the west. Contaminants have not been detected at monitoring well, MW10, located to the southeast of the site.

3.1.4 Groundwater Flow Pattern

Previous water table contour maps have shown groundwater flow to the west/southwest, with an apparent component of flow to the southeast (**Figure B.3.c.**). The onsite well MW2 has had higher groundwater elevations than the adjacent wells, and MW10 has had groundwater elevations that have been several feet lower than the on-site wells, MW1, MW2, and MW3. Groundwater levels are provided in **Table A.6.**

Based on the recently obtained stratigraphic information, the elevated groundwater elevation at MW2 appears to be controlled by strata of lower permeability sediment (silt and clay) near the water

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table. In addition MW10 is screened about 5 feet lower than MW2, and is not screened in the same stratigraphic unit as MW2 and the other on-site wells, MW1 and MW3.

The hydraulic conductivity (1.7 X10⁻⁴ cm/sec) at MW2 is 3 orders of magnitude lower than at MW10 where a hydraulic conductivity of 2.0 X10⁻¹ cm/sec is indicated by the single well hydraulic conductivity test (**Table A-7**). The hydraulic conductivity at MW1 and MW3 (2.1 X10⁻⁴ cm/sec, and 5.6 X10⁻⁴ cm/sec, respectively) are also much lower than at MW10 which likely, in part, account for the higher groundwater elevations onsite.

Figure B.3.c.a. shows the water table contours prepared without using the groundwater elevation at MW10. The groundwater flow is predominantly to the west, and is consistent with the groundwater quality data. We conclude that **Figure B.3.c.a** more accurately depicts the actual groundwater flow conditions in the area of the site than previous groundwater flow maps that used groundwater elevations from MW10. MW 10 is not installed in the same hydrostratigraphic unit as the on-site wells, and water levels measured at MW10 should not be used in water table contour maps.

4.0 GEOLOGY

4.1 REGIONAL SITE GEOLOGY

The following summary of the regional site geology is based on information in the Wisconsin Geological & Natural History Survey, 2011 publication, <u>The Glaciation of Wisconsin</u>, by Attig and others.

The site area was glaciated during the Late Wisconsinan by the Green Bay Lobe of the Laurentide Ice Sheet that reached its maximum extent about 30,000 years ago. The Johnstown Moraine, which formed at the margin of the ice lobe at its maximum extent is located a few miles south of the site. The site is located between the Johnstown terminal moraine and the Milton recessional moraine. The Milton recessional moraine formed during the Milton Phase about 16,000 years before present (BP). The area farther south of the Johnstown Moraine was glaciated prior to about 35,000 years BP. The sediment deposited by the Green Bay Lobe in this area belongs to the Holy Hill Formation which includes brown gravelly, clayey, silty sandy till of the Horicon Member.

The sediments in the general area of the site likely include till of the Horicon Member, outwash sand and gravel, and finer grained lacustrine sediment that were intermittently deposited in the area between the moraines as the ice margin retreated. The area was also glaciated prior to the late Wisconsinan and older glacial and related sediments may be present at depth.

4.2 SITE GEOLOGY

Geologic cross-sections were prepared from the boring logs available for the site. The boring logs are included in **Appendix A**. The borings installed by SCS in 2021 were continuously sampled and provide information that is very useful in evaluating the distribution of soil and groundwater impacts, and aid in interpreting the soil and contaminant distribution described in previous borings that were logged from cuttings. The locations of the geologic cross-section are shown on **Figure B.3.a**.

Cross-section A-A' (Figure B.3.a.a) includes boring BMW2 which was installed in 2021 to provide geologic information in the area of MW2 which has had higher groundwater levels than nearby wells,

and has had free product present. The boring log for BMW2 is included in **Appendix A**. The detailed geologic information from BMW2 indicates that the elevated water levels at MW2 are due to lower permeability strata at the zone near the depth of the water table. The higher water level at MW2 is attributable to site stratigraphy, and not associated with surface recharge from a storm sewer or water line. Underground utility locations are shown on **Figure B.2.a**.

We note the following based on Cross-section A-A' (Figure B.3.a.a):

- The sediments at the site are very variable and include silty sand, sand and gravel, and silt and clay, and are consist with the location of the site between the terminal and recessional moraines where till, outwash, and lacustrine sediment were intermittently deposited.
- The hydraulic conductivity at MW1 and MW2 (2.0 X10⁻⁴ cm/sec, and 1.7 X10⁻⁴ cm/sec, respectively) is 3 orders of magnitude lower than at MW10 (2.0 X10⁻¹ cm/sec) as indicated by single well hydraulic conductivity tests.
- The relatively lower water levels measured at MW10 may in part be due to the well being screened about 5 feet lower than MW2. Also MW10 is screened in a sandy layer below clay, whereas MW2 is screened in fine-grained sediment below a sand layer.
- Soil contamination at BMW2, as indicated by elevated PID readings, odor and staining, is
 predominantly focused in a zone about 17 to 25 feet bgs, and is associated with
 sediment layering. Below this zone there is no indication of contamination in the sand
 and gravel, and fine-grained sediment, until at the water table where free product is
 present.

We note the following based on Cross-section B-B' (Figure B.3.a.b):

- The shallow stratigraphy is very variable and includes organic silt, silt, clay, silty sand, and sandy fill.
- The only shallow residual soil contamination (less than about 5 feet bgs) is in the area of the former pump island. Near the property line with Jim's Tire, at B4R and B21, soil contamination is present at about 10 feet bgs. Farther to the north near the property line, at BMW2 and B11, the soil contamination is at about 17 feet bgs.

4.3 SITE CONCEPTUAL MODEL

The site has a very long history (nearly 100 years) of use for petroleum storage and dispensing.

- Petroleum products have been released at several locations including the dispenser island along W. Madison Avenue, the former kerosene UST and dispensers along the eastern property border, and the main tank bed in the central portion of the site.
- Contaminants migrated down to varying depths depending on the permeability of the sediment layers, and the time of the release. Some releases occurred several decades ago.

- Contaminants eventually migrated to the water table which is located at depths ranging from 47 to 67 feet bgs.
- Groundwater flow is to the west, consistent with the groundwater quality data.
- The steeper groundwater flow gradients on site are associated with lower permeability sediment at the water table in this area. The groundwater elevation at MW10 is lower that at the onsite wells likely because MW10 is screened deeper, and is not screened in the same hydrostratigraphic unit as the onsite wells.
- The adjacent site to the east has also had a long history of petroleum storage and use. However analytical data and observations from the tank closure assessment do not indicate petroleum impacts in the area of the former tanks or pump islands.

5.0 CONCLUSIONS

- Both the Bob's Citgo site and the adjacent Jim's Tire site have had a long history of petroleum storage and use. Some petroleum releases may have occurred several decades ago.
- Shallow soil contamination has been removed from on-site through remedial soil excavation conducted in association with underground tank removal.
- Some petroleum impacted soil remains on the Bob's Citgo site and on the west side of Jim's Tire. Most of the residual soil impacts are deeper than about 10 feet bgs.
- The extent of soil contamination has been adequately defined. The site can be closed with a cap maintenance plan for residual soil contamination that exceed NR 720 RCLs.
- Capping of the area with remaining soil contamination is consistent with the property use for commercial purposes.
- Groundwater flow is predominantly to the west. The existing groundwater monitoring well network adequately defines the extent of groundwater impacts.
- The groundwater plume is stable or decreasing following removal of the tanks system and contaminated soil.
- Subslab vapors have been investigated and vapor intrusion is not a concern.

6.0 RECOMMENDATIONS

We recommend conducting one additional round of groundwater monitoring at selected wells, and preparing a case closure request with use restrictions and inclusion of the site on the registry of impacted sites maintained by the WDNR.

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Please contact Betty at 608-212-6664 if you have any questions or comments.

Sincerely,

Betty J. Socha, PhD, PG Senior Project Manager

SCS Engineers

Tony Kollasch Project Manager SCS Engineers

Hellasel

BJS/AJR/TK

CC: Mr. Robert Richardson

Encl. Table A.1 – Groundwater Analytical Results Summary – VOCs

Table A.2 - Soil Analytical Results Summary - PVOCs

Table A.6 - Water Level Elevations

Table A.7 - Slug Test Parameters and Results

Figure 1 - Site Location Map

Figure B.2.a. – Soil Contamination

Figure B.3.a - Geologic Cross Section Locations

Figure B.3.a.a - Geologic Cross Section A-A'

Figure B.3.a.b. - Geologic Cross Section B-B'

Figure B.3.b. – Groundwater Isoconcentration

Figure B.3.c. – Groundwater Flow Direction – 07/08/2021

Figure B.3.c.a. – Groundwater Flow – 07/08/2021

Appendix A - Boring Logs & Well Forms

Appendix B - Soil Analytical Report

Appendix C - Slug Test Results

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Tables

- A.1 Groundwater Analytical Results Summary VOCs
- A.2 Soil Analytical Results Summary PVOCs
- A.6 Water Level Elevations
- A.7 Slug Test Parameters and Results

(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	MTBE	Toluene	TMBs	Xylenes	Naphthalene	Other VO	ls .
MW-1	11/4/2010		6,950	2,380	912	17,000	1,564	11,140	426	ND	
	3/3/2011		8,700	2,810	914	18,300	2,136	13,650	478	Methylene Chloride	113 *
										n-Propylbenzene	208
	9/15/2011		7,550	2,540	<u>867</u>	15,300	<u>2,153</u>	<u>12,160</u>	<u>640</u>	NA	
	8/15/2013		<u>6,600</u>	2,630	<u>302</u>	<u>15,600</u>	<u>2,226</u>	<u>11,890</u>	<u>663</u>	NA	
	9/11/2013		<u>5,170</u>	<u>2,230</u>	<u>184</u>	<u>13,200</u>	<u>1,889</u>	<u>10,300</u>	<u>525</u>	Isopropylbenzene	73.6
										n-Propylbenzene	185
	5/28/2015		<u>5,620</u>	<u>2,060</u>	<u>160</u>	<u>12,800</u>	<u>1,854</u>	<u>9,360</u>	<u>567</u>	NA	
	6/24/2017		<u>6,970</u>	<u>2,980</u>	<u>390</u>	<u>17,100</u>	<u>2,224</u>	<u>12,880</u>	<u>734</u>	NA	
	10/23/2017		<u>5,170</u>	2,940	<u>222</u>	<u>14,000</u>	<u>2,324</u>	<u>13,170</u>	<u>711</u>	NA	
	7/8/2021		<u>2,420</u>	<u>2,890</u>	<11.3	<u>1,800</u>	<u>2,576</u>	10,800	<u>579</u>	NA	
MW-2	3/11/2011		<u>5,260</u>	<u>3,270</u>	<u>284</u>	<u>11,100</u>	2,887	<u>15,270</u>	<u>529</u>	Isopropylbenzene	101
										Methylene Chloride	66.5 *
										n-Propylbenzene	294
	9/15/2011		4,760	3,720	<u>280</u>	10,900	<u>3,238</u>	<u>16,550</u>	<u>891</u>	NA	
	8/15/2013		NA	NA	NA	NA	NA	NA	NA	NA	
	9/11/2013		<u>1,810</u>	2,930	<u>37.3</u>	2,660	<u>3,155</u>	11,020	828	Isopropylbenzene	150
										n-Propylbenzene	406
										p-Isopropyltoluene	11.3
										sec-Butylbenzene	19.6 J*
	5/28/2015		2,020	3,400	<u>49.6</u>	<u>2,560</u>	3,843	<u>14,150</u>	<u>826</u>	NA	
	6/24/2017		2,310	3,300	60.6 J	<u>480</u>	<u>5,160</u>	12,950	1,560	NA	
	10/23/2017		1,080	2,310	<24.2	<u>204</u>	4,055	8,640	928	NA	
	7/8/2021		335	2,000	<45.2	57.1	3,861	7,360	964	NA	

(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	МТВЕ	Toluene	TMBs	Xylenes	Naphthalene	Other VO	Cs
MW-3	3/3/2011		3,150	3,230	<76.2	10,500	2,888	14,130	589	Isopropylbenzene	105
			<u> </u>							n-Propylbenzene	284
										Methylene Chloride	65.6 *
	9/15/2011		2,670	2,610	74.30	6,420	2,932	10,660	680	NA	-
	8/15/2013		2,290	3,760	<u>562</u>	<u>1,750</u>	3,411	<u>15,650</u>	926	NA	
	9/11/2013		2,290	2,580	<u>532</u>	<u>1,120</u>	2,393	11,030	<u>684</u>	Isopropylbenzene	93.3
										n-Propylbenzene	230
	5/28/2015		<u>1,360</u>	3,040	<24.2	<u>719</u>	3,342	12,610	<u>831</u>	NA	
	6/24/2017		<u>1,100</u>	2,900	<u>28.6</u> ∫	68.3	3,063	9,208	<u>743</u>	NA	
	10/23/2017		<u>1,760</u>	2,730	<u>58.3</u> ∫	<u>163</u>	<u>3,515</u>	9,630	<u>884</u>	NA	
	7/8/2021		1,220	2,330	<28.2	35.3	4,227	<u>4,170</u>	<u>813</u>	NA	
MW-4	9/15/2011		<0.41	<0.54	<u>154</u>	<0.67	<1.80	<2.63	<0.89	1,2-Dichloroethane	2.3
										Chloromethane	0.33
	8/15/2013		<0.34	<0.34	<u>210</u>	<0.34	<0.69	<1.03	<0.37	NA	
	9/11/2013		<0.50	<0.50	<u>154</u>	<0.44	<1.00	<1.32	<2.5	1,2-Dichloroethane	1
										Isopropylbenzene	1.4
	5/28/2015		<0.40	<0.39	<u>95.0</u>	<0.39	<0.84	<1.25	<0.42	NA	
	6/24/2017		<0.40	<0.39	ر 88.0	<0.39	<0.84	<1.25	<0.42	NA	
	10/23/2017		<0.40	<0.39	<u>21.7</u>	<0.39	<0.84	<1.25	<0.42	NA	
MW-5	9/15/2011		<u>623</u>	58.5	<u>776</u>	6.3	<9.0	271	<4.4	ND	
	8/15/2013		<u>3,930</u>	<u>1,330</u>	<u>270</u>	<u>969</u>	<u>486</u>	<u>2,890</u>	<u>307</u>	NA	
	9/11/2013		<u>3,220</u>	<u>1,080</u>	<u>216</u>	<u>737</u>	<u>338.8</u>	<u>2,152</u>	<u>209</u>	Isopropylbenzene	36.6
										n-Propylbenzene	78.3
	5/28/2015		<u>2,170</u>	<u>917</u>	<u>105</u>	<u>1,690</u>	<u>900</u>	<u>3,920</u>	<u>275</u>	NA	
	6/24/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	10/23/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	2.6	NA	
	7/8/2021		<u> 16.6</u>	26.5	4.7 J1	2.1	23.1	63.8	6.9	NA	

(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	MTBE	Toluene	TMBs	Xylenes	Naphthalene	Other VO	Cs
MW-6	9/15/2011		289	75.6	<u>53.8</u>	1.7	27.2	6.9	19.2	Isopropylbenzene	7.3
										n-Propylbenzene	7.3
	8/15/2013		<u>4.1</u>	1.2	5.3	<0.34	<0.69	<1.03	<0.37	NA	
	9/11/2013		208	121	3.2	11.3	35.0	162.1	20.0	Isopropylbenzene	6.5
										n-Propylbenzene	13.1
	5/28/2015		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	6/24/2017		<u>1,060</u>	<u>1,360</u>	<u>109</u>	<u>166</u>	<u>870</u>	<u>3,164</u>	<u>354</u>	NA	
	10/23/2017		<u>103</u>	98.7	4.1	7.9	65.3	160	22.2	NA	
	7/8/2021		<u>5.1</u>	4.1	<1.1	<0.29	0.60 J1	1.9 JI	<1.1	NA	
MW-7	9/11/2013		<u>56.6</u>	<0.50	<u>125</u>	<0.44	<1.00	<1.32	<2.5	1,2-Dichloroethane	1.1
	5/28/2015		<u>18.8</u>	1.3	<u>126</u>	<0.39	<0.84	5.2	1.7	NA	
	6/24/2017	(2)	244	8.2	<u>96.9</u>	3.2	<1.67	3.0	2.7	NA	
	10/23/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
MW-8	9/11/2013		<u>12.8</u>	<0.50	4.30	<0.44	<1.00	<1.32	<2.5	ND	
	5/28/2015		<u>0.75</u> J	<0.39	10.30	<0.39	1.6	<1.25	0.67 J	NA	
	6/24/2017		<u>2.1</u>	12.2	2.30	0.441	<0.84	3.0	14.4	NA	
	10/23/2017		<0.40	<0.39	2.90	<0.39	<0.84	<1.25	<0.42	NA	
MW-9	9/11/2013		<0.50	<0.50	1.1	<0.44	<1.00	<1.32	<2.5	ND	
	5/28/2015		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	6/24/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	10/23/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
MW-10	9/11/2013		<0.50	<0.50	<0.49	<0.44	<1.00	<1.32	<2.5	ND	
	5/28/2015		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	6/24/2017		<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	
	10/23/2017	(1)(2)	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42	NA	

(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	МТВЕ	Toluene	TMBs	Xylenes	Naphthalene	Other VOCs	i
Trip Blank	7/8/2021		<0.30	<0.33	<1.1	<0.29	<0.81	<1.0	<1.1	NA	
NR 140 Enforceme	ent Standards (ESs)	5	700	60	800	480	2,000	100	1,2-Dichloroethane sec-Butylbenzene Isopropylbenzene n-Propylbenzene p-Isopropyltoluene Methylene Chloride Chloromethane	5 NE NE NE NE 0.5 30
NR 140 Preventive	Action Limits (PALs)	0.5	140	12	160	96	400	10	1,2-Dichloroethane sec-Butylbenzene Isopropylbenzene n-Propylbenzene p-Isopropyltoluene Methylene Chloride Chloromethane	0.5 NE NE NE NE 5 3

Abbreviations:

μg/L = micrograms per liter or parts per billion (ppb)

-- = Not Applicable

NA = Not Analyzed

MTBE = Methyl tert-butyl ether

VOCs = Volatile Organic Compounds

TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

Notes:

NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2021

NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2021

Bold+underlined values meet or exceed NR 140 ESs.

<u>Italic+underlined</u> values meet or exceed NR 140 PALs.

Laboratory Notes/Qualifiers:

NE = No Standard Established

- * = May be laboratory contaminant
- J = Estimated concentration below quantitation limit
- J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
- (1) = Lab flagged sample for insufficient preservation pH
- (2) = Lab flagged sample for headspace in sample

AJR	Date: 7/22/2021
AJR	Date: 7/26/2021
BJS	Date: 7/31/2021
BJS	Date: 7/31/2021
	AJR BJS

I:\25221172.00\Deliverables\2022-2 GWM Reprt\Tables\[Table A.1_Groundwater VOCs_Bob's CITGO.xlsx]GW VOCs

Table A.2 Soil Analytical Results Summary - PVOCs Former Bob's Citgo - Milton, Wisconsin / SCS Engineers Project #25221172.00

(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	1,2,4- & 1,3,5-TMB Combined	MTBE	Naphthalene	Lead (mg/kg)	Other VOCs
B-1	8/24/2005	16-20			<200	14,600	6,240	68,800	57,300	20,000	77,300	<200	NA	5.43	NA
		27			<25	<25	<25	<50	<25	<25	<50	<25	NA	1.26	NA
B-2	8/24/2005	16-20			<25	<25	<25	<50	<25	<25	<50	<25	NA	0.552	NA
B-3	8/24/2005	12-16			<25	<25	<25	<50	33.7	<25	33.7	<25	NA	4	NA
B-4	8/24/2005	6-8			1,720	2,780	460	19,950	10,500	3,820	14,320	<25	NA	13.3	NA
B-5	8/24/2005	6-7			1,190	15,400	<u>7,450</u>	<u>76,100</u>	44,800	13,900	58,700	<200	NA	15.6	NA
B-6	8/24/2005	6-7			1,370	1,040	144	4,020	1,670	493	<u>2,163</u>	<u>44</u>	NA	11.8	NA
B-7	4/6/2011	18			<25.0	<25.0	<25.0	<75.0	56.1	<25.0	56.1	<25.0	<25.0	NA	NA
	4/6/2011	20			<25.0	<25.0	<25.0	219.4	252	81.1	333.1	<25.0	44.8	NA	NA
B-8	4/6/2011	7			<u>618</u>	1,180	<100	4,770	13,300	4,620	17,920	<100	<u>5,770</u>	NA	NA
B-9	4/6/2011	10			<25.0	<25.0	<25.0	76.6	46	<25.0	46	<25.0	<25.0	NA	NA
B-10	4/6/2011	16-20			<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<50.0	<25.0	<25.0	NA	NA
	4/6/2011	20-24			<25.0	64.7	56.7	345.8	286	85.6	371.6	<25.0	184	NA	NA
B-11	4/6/2011	18			<26.9	<26.9	<26.9	<80.7	<26.9	<26.9	<53.8	<26.9	<26.9	NA	NA
	4/6/2011	20			2,170	42,200	12,200	180,500	89,900	29,800	119,700	<1000	14,700	NA	NA
MW-1	10/25/2010	23.5-25			<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<50.0	<25.0	<25.0	NA	NA
	10/25/2010	53*			1,040	989	3,780	4,690	1,430	411	1,841	147	<u>726</u>	NA	NA
MW-2	2/23/2011	15			<25.0	<25.0	<25.0	88.1	82.2	<25.0	82.2	<25.0	42.1	NA	NA
MW-3	2/23/2011	3-5			<25.0	<25.0	<25.0	68.6	37.9	<25.0	37.9	<25.0	<25.0	NA	NA
	2/23/2011	13-15			1,920	33,300	14,600	146,300	104,000	37,200	141,200	<500	17,500	NA	NA
	2/23/2011	23-25			<25.0	156	75.2	710	461	156	617	<25.0	176	NA	NA
#1	10/30/2019	18			<u>808</u>	8,780	<u>3,810</u>	40,600	19,600	6,040	25,640	<62.5	2,730	NA	NA
#2	10/30/2019	20			4,310	90,500	44,000	628,000	323,000	102,000	425,000	<1000	39,600	NA	NA
#3	10/30/2019	16			<25.0	255	184	1,966	864	248	1112	<25.0	116 J	NA	NA
#4	10/30/2019	12			<25.0	34.8 J	44.7 J	206	40.5 J	<25.0	40.5 J	<25.0	<40.0	NA	NA
#5	10/30/2019	18			<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<50.0	<25.0	<40.0	NA	NA
#6	10/31/2019	14			<25.0	132	<25.0	310.3	1,360	434	1,794	<25.0	328	NA	NA
#7	10/31/2019	5			<25.0	34.6 J	<25.0	275	174	39.3 J	213.3	<25.0	80.5 J	NA	NA
#8	10/31/2019	5			64.1 J	294	135	938	592	176	768	<25.0	126 J	NA	NA
#9	10/31/2019	5			<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<50.0	<25.0	<40.0	NA	NA
#10	11/1/2019	5			<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<50.0	<25.0	<40.0	NA	NA
B4R	10/18/2021	14.5-15	363		<u>193</u>	619	<28.5	1,860	1,120	340	1,460	<28.5	384	NA	NA

Table A.2 Soil Analytical Results Summary - PVOCs Former Bob's Citgo - Milton, Wisconsin / SCS Engineers Project #25221172.00

(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	1,2,4- & 1,3,5-TMB Combined	МТВЕ	Naphthalene	Lead (mg/kg)	Other VOCs
B21	10/18/2021	12.5-15	1167		128 Л	<u>6,010</u>	168	<u>16,200</u>	20,700	6,760	<u>27,460</u>	<66.8	<u>4,180</u>	NA	NA
B22	10/18/2021	8-10	0.0		<31.8	<31.8	<31.8	<95.3	<31.8	<31.8	<63.6	<31.8	<31.8	NA	NA
	10/18/2021	19-20	173		907	<u>34,100</u>	32,000	138,000	78,200	27,000	105,200	<u>1,350</u>	12,000	NA	NA
B23	10/18/2021	3-4	0.8		59.5 J1	<32.6	<32.6	<97.9	<32.6	<32.6	<65.2	<32.6	<32.6	NA	NA
	10/18/2021	14-14.5	3.6		<27.9	<27.9	<27.9	<83.6	<27.9	<27.9	<55.8	<27.9	<27.9	NA	NA
B24	10/18/2021	3-4	1.3		<30.2	<30.2	<30.2	<90.5	<30.2	<30.2	<60.4	<30.2	<30.2	NA	NA
	10/18/2021	19-20	0.0		<26.2	<26.2	<26.2	<78.6	<26.2	<26.2	<52.4	<26.2	<26.2	NA	NA
B25	10/18/2021	3-4	43.1	(1)	<284	1,050	568 J1	3,620	5,300	2,860	<u>8,160</u>	<284	<u>5,540</u>	NA	NA
	10/18/2021	10-12	177		<31.0	154	<31.0	403	400	244	644	<31.0	<u>665</u>	NA	NA
	10/18/2021	14-15	9.8		<27.4	<27.4	<27.4	<82.2	94.8	<27.4	94.8	<27.4	33.4 J1	NA	NA
Trip Blank	10/18/2021				<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	NA	NA
NR 720 Groundwo Default Dilution Fo		CLs with o	a Wiscor	nsin-	5.1	1,570	1,107.2	3,960	(0	a)	1,378.7	27	658.2	27	
NR 720 Non-Indus	trial Direct Cor	ntact RCL	S		1,600	8,020	818,000	260,000	219,000	182,000	NE	63,800	5,520	400	
NR 720 Industrial [Direct Contact	RCLs			7,070	35,400	818,000	260,000	219,000	182,000	NE	282,000	24,100	800	
CAS No.					71-43-2	100-41-4	108-88-3	1330-20-7	95-63-6	108-67-8		1634-04-4	91-20-3	7439-92-1	

Abbreviations:

μg/kg = micrograms per kilogram or parts per billion (ppb) mg/kg - milligrams per kilogram or parts per million (ppm)

CAS No. = Chemical Abstracts Service Number

-- = Not Applicable

DRO = Diesel Range Organics GRO = Gasoline Range Organics PID = Photoionization Detector

ppm = parts per million

MTBE = Methyl-tert-butyl ether

TMB = Trimethylbenzene

RCLs = Residual Contaminant Levels

VOCs = Volatile Organic Compounds

NA = Not Analyzed ND = Not Detected NE = No Standard Established

Notes:

Bold+underlined values exceed an NR 720 RCL, as of December 2018.

(a) NR 720 Groundwater Pathway RCLs for 1,2,4 and 1,3,5 Trimethylbenzene Combined = 1,378.7

* All samples except MW1 at 53 feet are unsaturated.

Laboratory Notes/Qualifiers:

J = Compound detected below limit of quantitation.

J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

(1) - Surrogates a,a,a-Trifluorotoluene (S) = D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

 Created by:
 AJR
 Date:
 10/27/2021

 Last revision by:
 BJS
 Date:
 12/25/2021

 Checked by:
 BJS
 Date:
 12/25/2021

 Proj Mgr QA/QC:
 BJS
 Date:
 12/25/2021

I:\25221172.00\Deliverables\2022-2 GWM Reprt\Tables\[Table A.2_Soil_Analytical Results_PVOCs1.xlsx]Soil PVOCs

Table A.6 Water Level Elevations Bob's Citgo, Milton, Wisconsin / SCS Engineers Project #25221172.00

				Depth to Wat	er in feet belo	ow top of well	casing			
	MW1	MW2	MW3	MW4	MW5	MW6	MW7	8WM	MW9	MW10
Measurement Date										
11/4/2010	53.15									
3/3/2011	53.92	51.18	54.02							
9/15/2011	54.85	59.17	54.67	55.9	57.85	57.06				
8/15/2013	55.92	51.3	52.68	57.45	60.77	59.14				
9/11/2013	55.16	48.01	52.06	57.1	60.23	58.77	60.86	64.39	59.61	61.29
5/28/2015	57.51	50.25	55.51	58.95	62.76	60.84	63.54	67.17	61.91	64.56
6/24/2017	53.78	48.35	53.81	52.91	56.86	59.16	61.03	64.72	60.29	62.24
10/23/2017	54.65	46.36	51.78	56.2	58.59	57.49	59.08	62.75	58.05	59.57
7/8/2021	52.46	47.61	51.73	53.75	54.83	54.43	55.50	59.09	54.16	56.48
10/19/2021	53.56	50.21	52.54							57.89

Ground Water Elevation in feet above mean sea level (amsl) Well Number MW1 MW2 MW3 MW4 MW5 MW6 MW7 MW8 MW9 MW													
Well Number	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9	MW10			
Top of Casing Elevation* (feet amsl)	874.49	873.75	874.81	874.59	875.04	874.85	875.26	878.45	874.57	876.37			
Screen Length (ft)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15			
Total Depth (ft from top of casing)	62.40	61.90	62.80	63.30	63.70	64.30	69.50	73.60	65.60	69.1			
Top of Well Screen Elevation (ft)	827.09	826.85	827.01	826.29	826.34	825.55	820.76	819.85	823.97	822.27			
Measurement Date													
11/4/2010	821.34												
3/3/2011	820.57	822.78	821.03										
9/15/2011	819.64	814.79	820.38	818.7	817.35	817.74							
8/15/2013	818.57	822.66	822.37	817.15	814.43	815.66							
9/11/2013	819.33	826.12	822.99	817.5	814.97	816.03	814.4	814.06	814.96	815.39			
5/28/2015	816.98	823.85	819.54	815.65	812.44	813.96	811.72	811.28	812.66	812.12			
6/24/2017	820.71	825.76	821.24	821.69	818.34	815.64	814.23	813.73	814.28	814.44			
10/23/2017	819.84	827.62	823.27	818.4	816.61	817.31	816.18	815.7	816.52	817.11			
7/8/2021	822.03	826.14	823.08	820.84	820.21	820.42	819.76	819.36	820.41	819.89			
10/19/2021	820.93	823.54	822.27							818.48			
Bottom of Well Elevation (ft)	812.09	811.85	812.01	811.29	811.34	810.55	805.76	804.85	808.97	807.27			

Notes:

Depth to water measurements and groundwater elevations prior to 7/8/2021 are from Seymour Environmental reports.

Red indicates free product present; elevation not corrected for product.

Blank indicated well not installed, or water level not measured.

 Created by:
 BJS
 Date: 7/25/2021

 Last revision by:
 BJS
 Date: 12/25/2021

 Checked by:
 BJS
 Date: 2/17/2022

 Proj Mgr QA/QC:
 BJS
 Date: 2/17/2022

I:\25221172.00\Deliverables\2022-2 GWM Reprt\Tables\[Table A.6_Water Level Elevation.xlsx]levels

^{*}Wells MW1-MW6, & MW19 were resurveyed 7/8/2021. Wells MW2, MW3, MW5 & MW10 casings were cut down 0.2' on 7/8/2021.

Table A.7. Slug Test Parameters and Test Results Former Bob's Citgo - Milton, Wisconsin / SCS Engineers Project #25221172.00

	DTW (static)	H(0)	Н	b	d	L	T	r(c)	r(w)	r(sk)	K
	Depth to water from top of casing (ft)	Initial Displacement	static column height	Aquifer saturated thickness	Depth to top of screen (from water or top of confined unit)	Submerged screen length	Transducer depth	Casing Radius (ft)	Well Radius (ft)	(ft)	(cm/sec)
MW1	53.56	1.567	8.84	100	0.00	8.84	7.92	0.0833	0.35	0.35	2.08E-04
MW2	50.21	2.591	11.69	100	0.00	11.69	8.90	0.0833	0.35	0.35	1.69E-04
MW3	52.54	2.282	10.26	100	0.00	10.26	8.96	0.0833	0.35	0.35	5.79E-04
MW10	57.89	1.378	11.21	100	0.00	11.21	9.55	0.0833	0.35	0.35	0.2003

Notes:

DTW Static - Measured prior to testing on 10/19/2021

H(0) - see slug test data. Difference between measurement at initiation of test & static measurement.

saturated thickness - Assumed 100 ft (sandy till & outwash)

Screen length - 15' across the water table. Actual saturated screen interval length used for unconfined aquifer analysis.

Transducer depth - Depth taken from data logger recording ~5 seconds before initiation of test. See data logger files for each test.

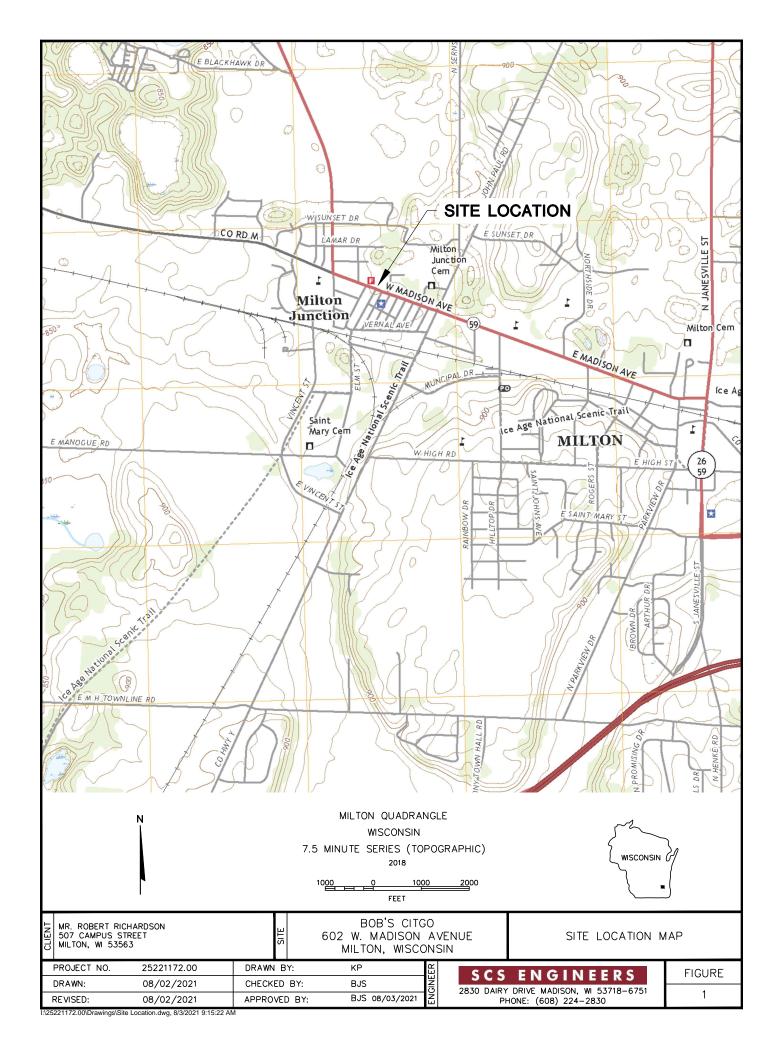
Casing radius - 0.09 for Sch. 40 PVC, 0.08 for Sch. 80 PVC (wells >50 ft deep).

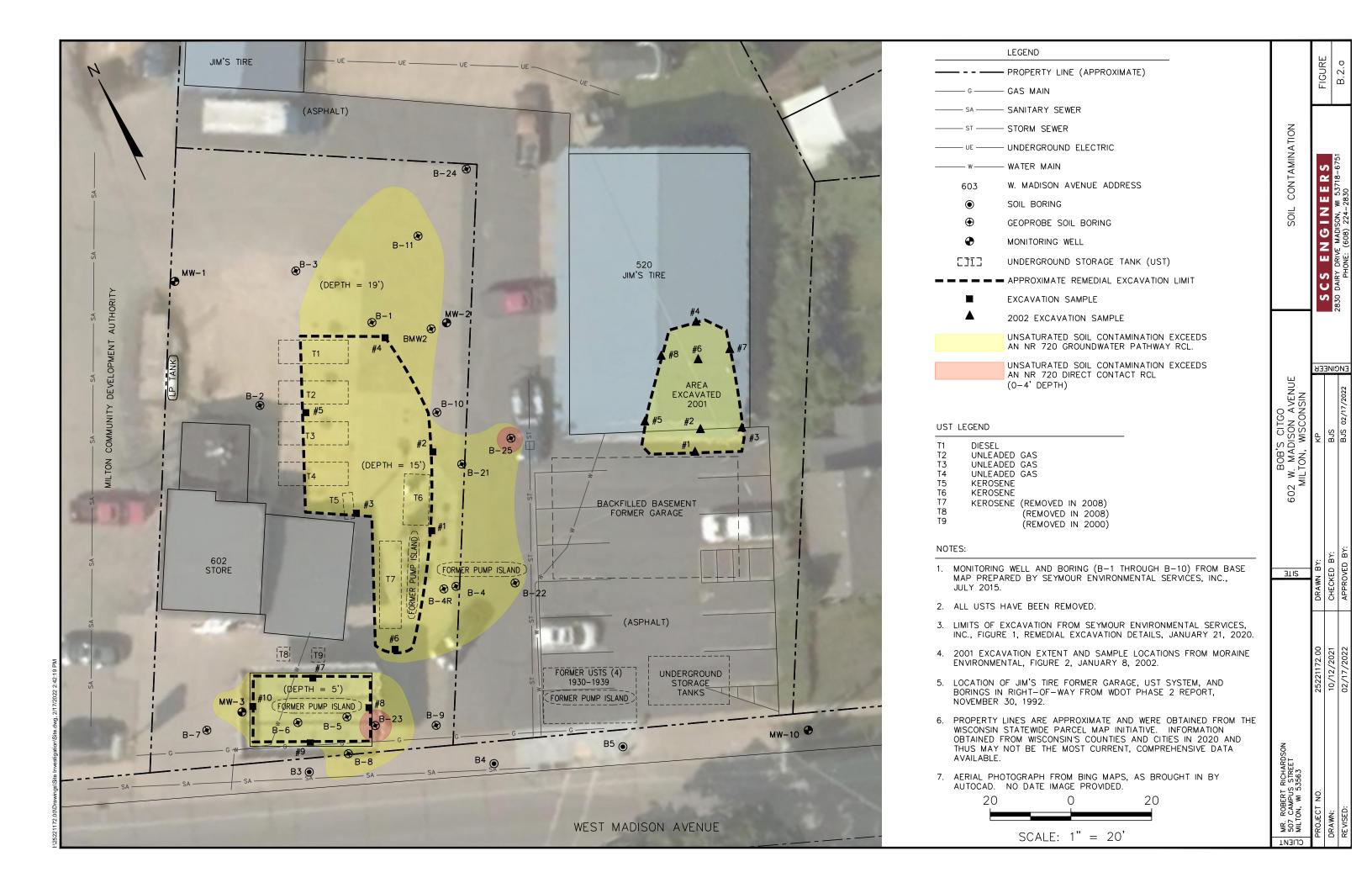
Well borehole radius - 0.6875 (assumed to be installed with 8-1/4" auger)

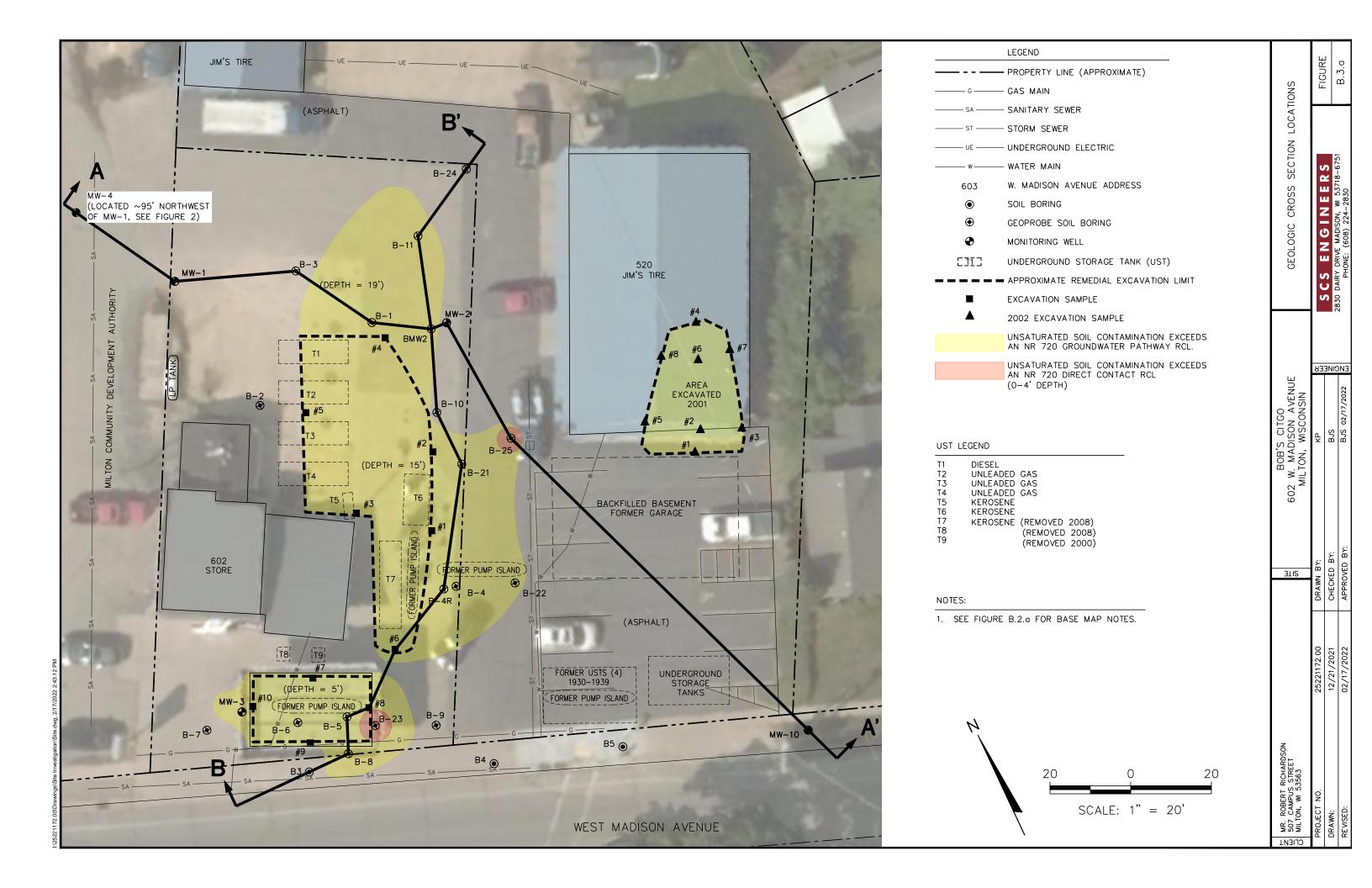
Prepared by: JK: 1/10/2022 Checked by: REL 1/10/2022

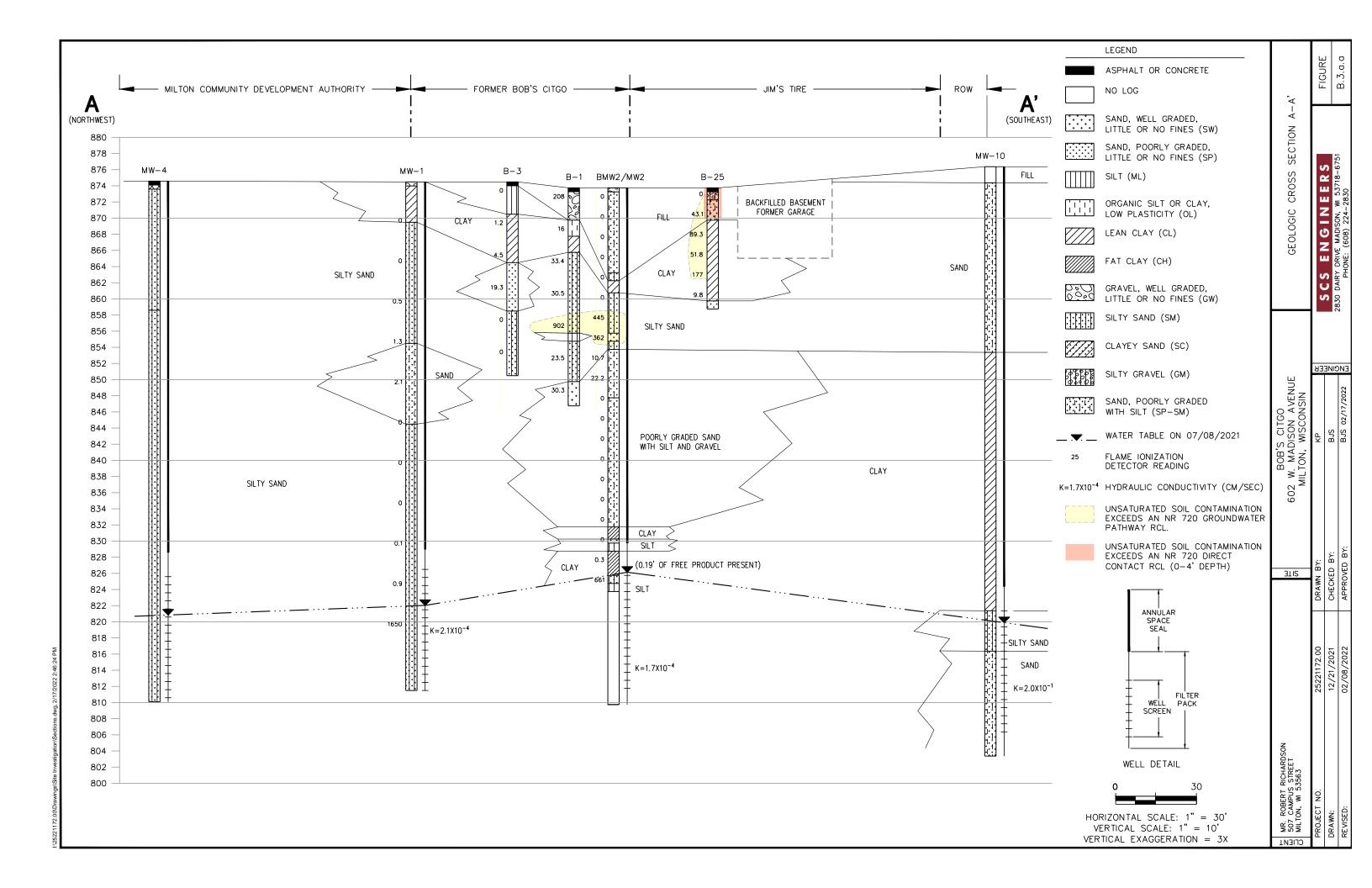
Figures

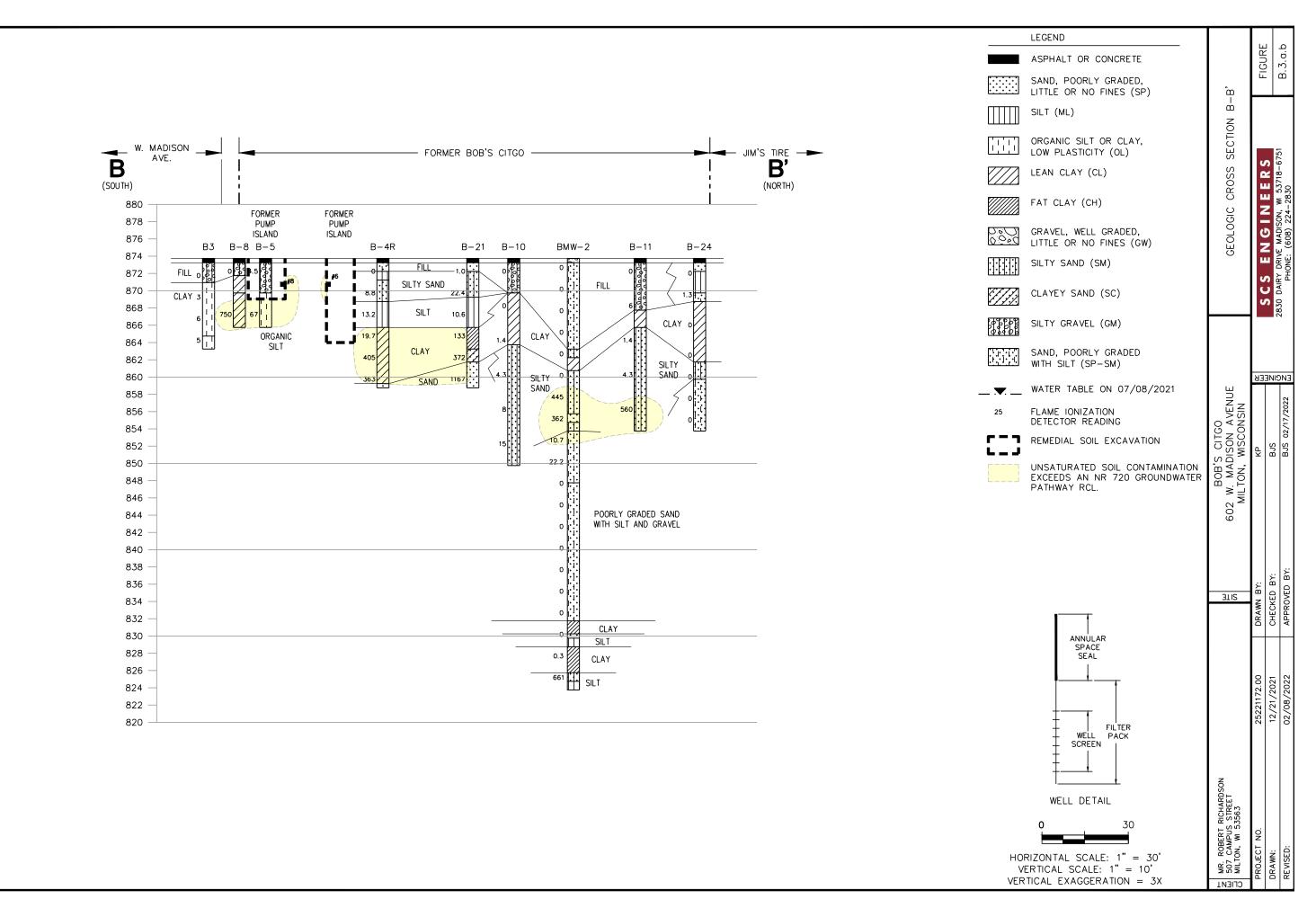
- 1 Site Location Map
- B.2.a. Soil Contamination
- B.3.a Geologic Cross Section Locations
- B.3.a.a Geologic Cross Section A-A'
- B.3.a.b. Geologic Cross Section B-B'
- B.3.b. Groundwater Isoconcentration
- B.3.c. Groundwater Flow Direction 07/08/2021
- B.3.c.a. Groundwater Flow 07/08/2021

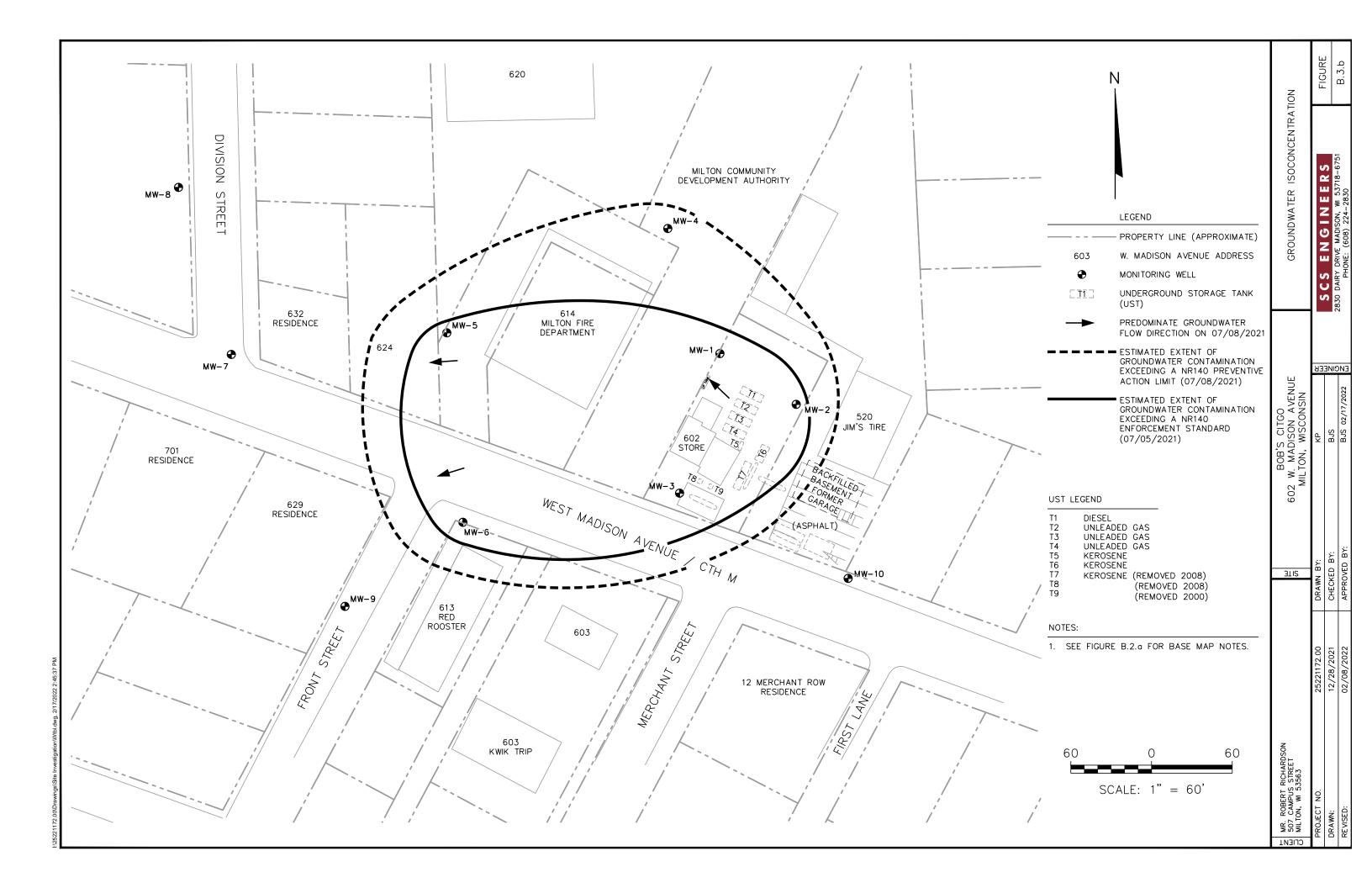


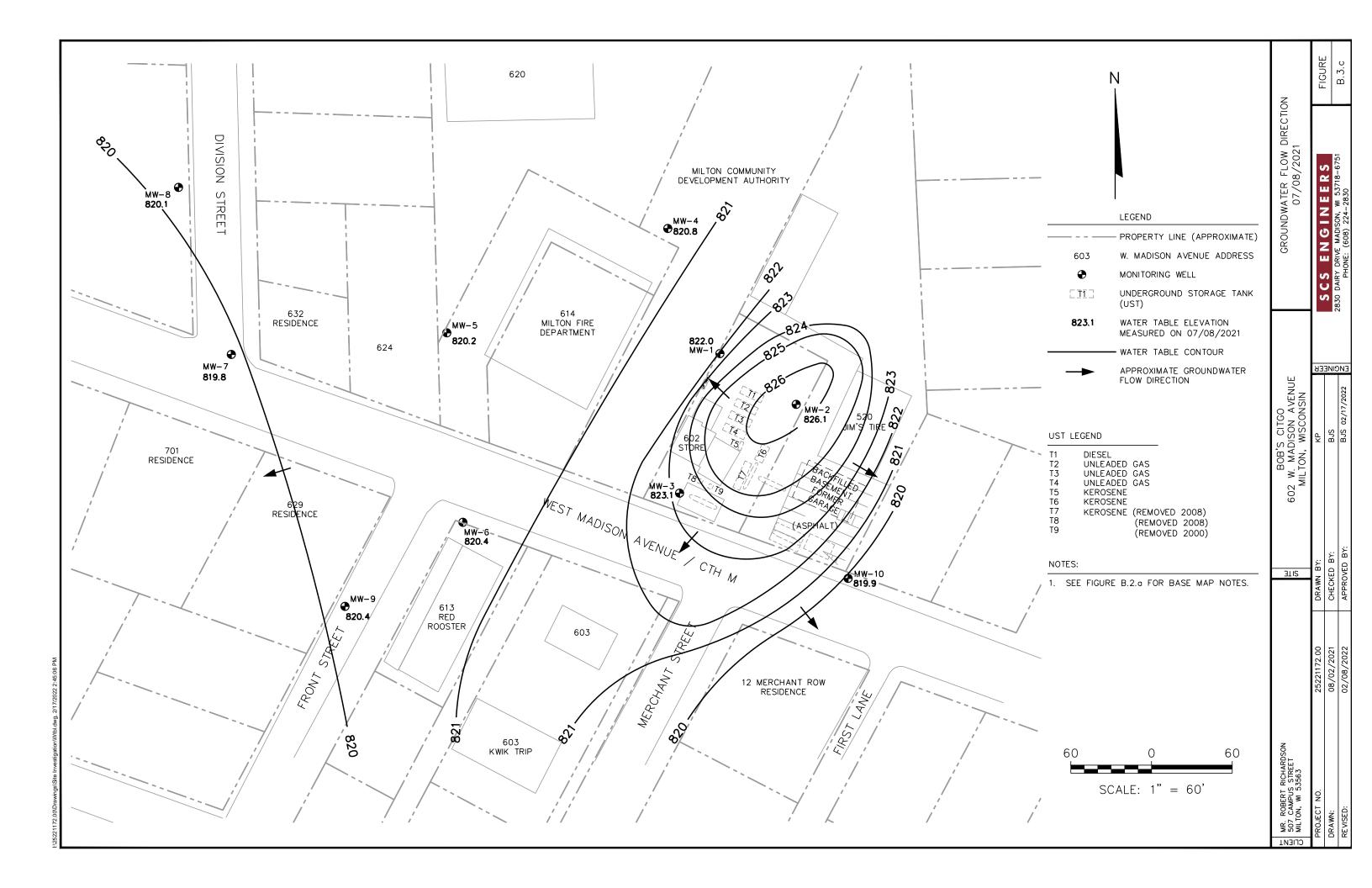


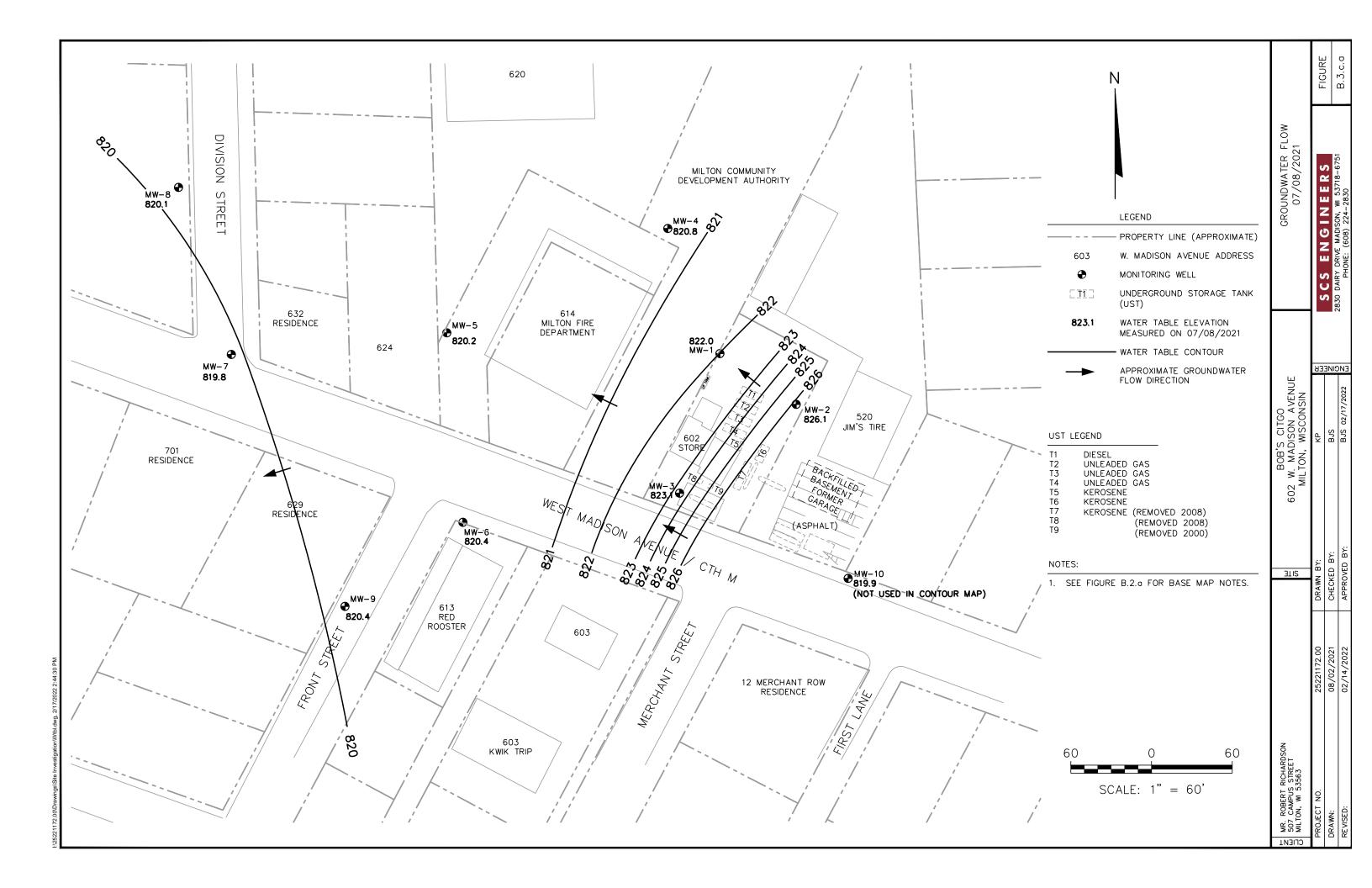




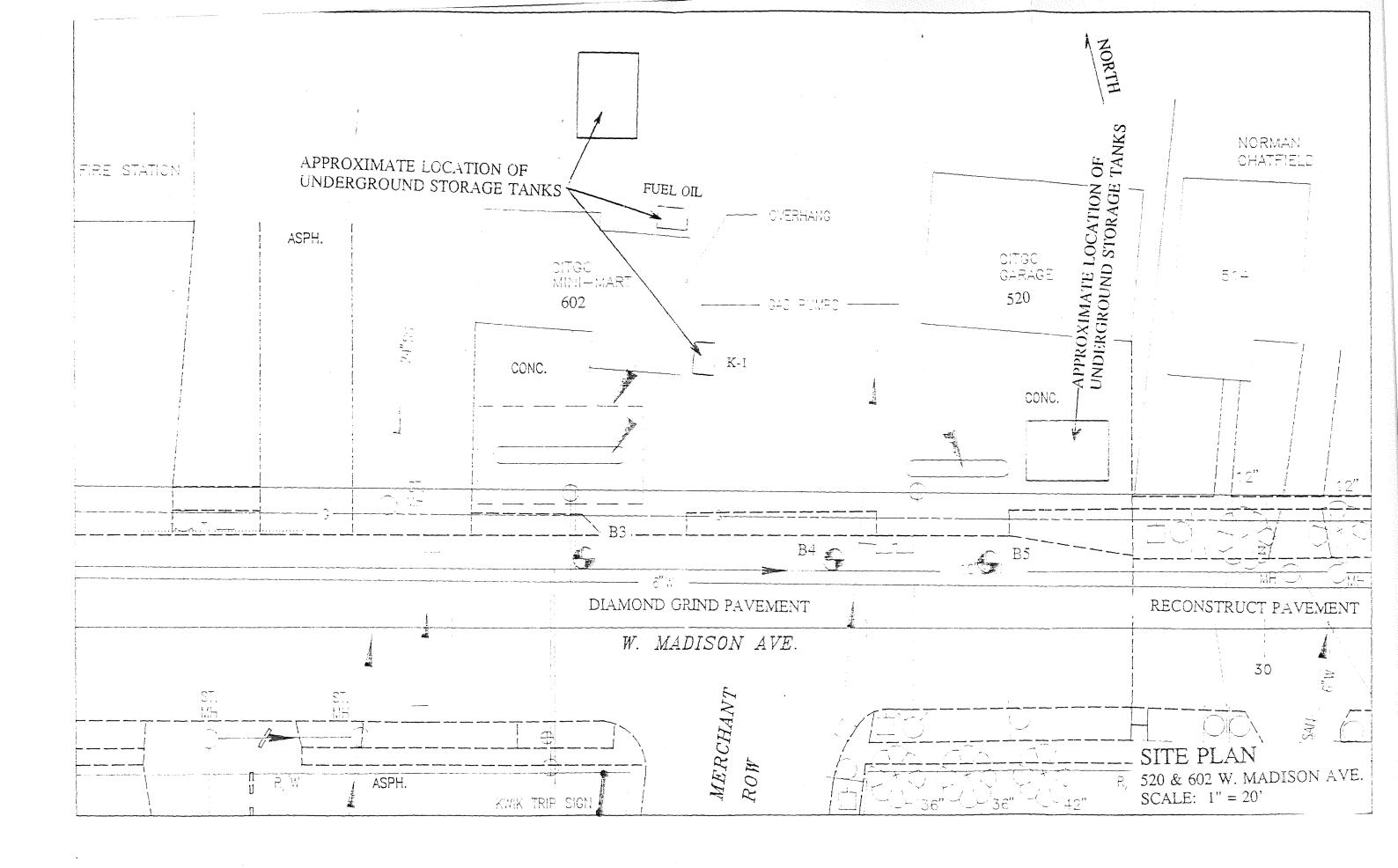








Appendix A Boring Logs & Well Forms



PROJECT NO.	FIELD REPRESENTATIVE		CREW BORING								
3141-03-01	Dan Reek (TNA)		Scott	Tron	np (PS	SI)	B1				
CLIENT			METHOD				SHE	ET			
WISDOT			4HSA					1 o	of 1		
PROJECT			STA.				SUR	FACE	ELEV.		
Phase II Site	Assessment		95+60								
LOCATION 610 E. Madisor	n Avenue		OFFSET	_		- ,	DATI	E '			
Milton, WI	I AVCHUC		23' L7	r 			9-	25-9	2		
	SCRIPTION	DEPTH	SAMPLE	И	٥,	Q,	M _e	FID	REMARKS		
Asphalt/Concre	ete Surface 0.5'		1	 							
Silty Clay, Br	cown, Moist		=				'	!			
		2 -						0	and ppo		
			- 1	6				0	GRO, DRO		
	5.01	-	\exists	l. <u>=</u>	-						
Sand, Brown, A	5.0' Moist] 2	13				θ			
		6 -	1								
_			3	28				0	GRO		
- - 		3 -	1								
- -											
		10-	4	29			, ,	0			
	10.5										
<pre>Boring Termina </pre>	ited]								
		12-									
			-						,		
		<u> </u>									
- - - -			7								
									İ		
, - -]								
GROUND WATER OBSERVATIONS					1		1				
While drilling	No Water		Time after	drilli	ing						
After Boring Completed		Depth to w	rater								
Cave-In_		Depth to cave-in									
Backfill Material Changes of strata indicate	Bentonite ed by the lines are approximate b	houndary	Water Note	il type	The		Fransi	- —	he gradual		
and may vary considerably lines.	between boring locations. Dashe	ed lines	should be	interpr	etted as	more a	pproxi	mate t	han solid		

PROJECT NO.		C	REW			BORING				
3141-03-01	Dan Reek (TNA)		S	cott 1	romp	o (PS	I)	B 2	·	
CLIENT			M	ETHOD				SHE	ET	
WISDOT			4	HSA					1 c	of 1
PROJECT			S	TA.				SUR	FACE	ELEV.
Phase II Site A	Assessment		2	6+78	·					
LOCATION 613 W. Madison	Avenue	1	01	FFSET			•	DATI		
Milton, WI		1	8' RT				9-	-25-9	12	
	SCRIPTION	DEPT	н	SAMPLE	И	Q,	٥,	Мe	FID PID	REMARKS
Concrete Surface Gravel Fill	ce 0.5'								:	
<u>-</u> -	2.5'	2		1	12				.0.	Pest.
_Topsoil _ _		4								
 _Clay, Brownish _Moist	6.	1 1 1	2	8				0	Pest.	
_Silty Clay, Bro 		8 -		3	7				O	
Sand, Brown, We		10 -		4	4				0	
Boring Terminat	10.5'		1						-	
- -		12 -	4							
 			1 1							
- -	-									
GROUND WATER OBSERVATIONS						-				
While drilling	No Water		T:	ime after	drilli	ng				
After Boring Completed	No Water		•	epth to w						
Cave-In	Bentonite			epth to co					- —	
Changes of strata indicate	ed by the lines are approximate h	coundary ad lines	Water Notes ry between soil types. The actual transition makes should be interpretted as more approximate the						ay be gradual han solid	

PROJECT NO.		7	REW								
3141-03-01	Dan Reek (TNA)		Scott Tromp (PSI) B3								
CLIENT			METHOD					SHE	ET		
WISDOT			L	4HSA		·		l of l			
PROJECT			. 8	STA.				SURFACE ELEV.			
Phase II Site A			28+33			,					
LOCATION 620 W. Madison	_	C	FFSET				DAT	DATE '			
Milton, WI				16.5'	LT			9-	25-9	2	
DES	SCRIPTION	DEPT	'н	SAMPLE	N	Q,	Q,	М _с	FID PID	REMARKS	
Concrete Surfac	ce 0.5'		_								
_Gravel Fill	,		_								
	,	2	_	1	11				Ö	GRO .	
	2.8'										
—Organic Topsoil		4									
- -		-		2	6				3		
<u> </u>											
- - - - - - -		б									
- -				-						and ppo	
		8		3	7				6	GRO, DRO Pesticide	
_	9.0'		-								
-Organic Silt, (-Brown Moist		10	=	4	7				5		
Boring Terminat	10.5'		1								
-		12	크								
-			4							•	
_ _ _			1								
 -			뒴	.						l	
- -			\exists								
<u> </u>			\exists								
_		: !	F								
GROUND WATER OBSERVATIONS											
While drilling	No Water		- т	Time after	drilli	ng			_		
After Boring Completed	No Water		. D	epth to w	ater						
Cave-In	Pontonito		. D	Depth to Ca	ave-in						
Backfill Material	Bentonite		Water Notes								
changes of strata indicate and may vary considerably lines.	ed by the lines are approximate to between boring locations. Dashe	coundar ed line	y b :5 5	etween so should be	il type: interpre	s. The sected as	actual more a	transi pproxi	tion make t	ay be gradual han solid	

RECORD OF SUBSURFACE EXPLORATION

PROJECT NO.		CR	REW				BORING					
3141-03-01	Dan Reek (TNA)			S	cott	Tron	np (P	SI)	В4			
CLIENT				МЕ	THOD				SHEET			
WISDOT				4	HSA					1 о	of 1	
PROJECT				ST	'A.				SUR	FACE	ELEV.	
Phase II Site		2	28+92			,						
LOCATION 520 W. Madison Milton, WI			FSET	LF			DATE ' 9-25-92					
DE:	SCRIPTION		DEPTI	н	SAMPLE	И	Q ₀	Q,	Мe	FID PID	REMARKS	
Concrete Surfa	ce	0.5'		寸								
Gravel Fill				1								
			2	1	1	22				10	GRO	
Organic Topsoi	1, Black Moist	2.5'										
Silty Clay, Br		3.5'	4	\exists								
				\exists	2	7				11	GRO	
		6.0'	6	\exists								
Sand, Brown, Mo				1							!	
_		2 01	3	1	3	6				0	:	
Boring Termina		3.0'	0	\exists		:			İ			
-				7								
 -			10	7					: : !			
-		1		7								
			12									
 		}		7								
- .				4								
- -				#								
				7								
]										
GROUND WATER OBSERVATIONS	· · · · · · · · · · · · · · · · · · ·	!					1	1		1		
While drilling	No Water			_ Tir	me after	drilli	ng					
After Boring Completed	No Water			-	pth to w							
Cave-In				Der	pth to c	ave-in						
Backfill Material	Bentonite			Water Notes								
Changes of strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between boring locations. Dashed lines should be interpretted as more approximate than solid lines.										ay be gradual han solid		

PROJECT NO.	С	REW			BORING						
3141-03-01	Scott Tromp (PSI) B5										
CLIENT			METHOD SHEET								
WISDOT				4HSA		•		1 _{OF} 1			
PROJECT			. S	TA.				SUR	FACE	ELEV.	
Phase II Site			29+29			,					
LOCATION 520 W. Madison		0.	FFSET				DATE '				
Milton, WI	Avenue			15.8'	LF			9-	25-9	2	
DES	SCRIPTION	DEPTI	ı	SAMPLE	н	Q.	Q ,	М _с	FID PID	REMARKS	
Concrete	0.5'		\exists								
Gravel Fill, B			1								
		2	\exists	1	33				0		
<u> </u>			1								
			1								
_		4	\exists	2	18	-			0	GRO	
			\exists	_							
		6	\exists								
<u> </u>			1	2	7.4				0		
	8.0'	8	ゴ	3	14				U		
Boring Terminat	ed		1								
			7								
	,	•	7								
			7								
		-	\exists								
-			\exists								
			\exists								
- -			7								
			7								
- -		•	7	ļ							
CECIPID HAMED ORGANIAMAN								l			
GROUND WATER OBSERVATIONS While drilling	No Water		т	ime after	drilli	na					
After Boring Completed	No Water			epth to w							
Cave-In_			D	epth to c	ave-in						
Backfill Material	Bentonite			ater Note							
and may vary considerably lines.	ed by the lines are approximate be between boring locations. Dashe	oundar d line:	y be	etween so hould be	interpr	s. The etted as	actual more a	transı upproxi	tion m mate t	ay be gradual han solid	

SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

SOIL PROPERTY SYMBOLS

N: Standard 'N' penetration: Blows per foot of a 140 pound hammer falling

30 inches on a 2 inch O.D. split-spoon.

Qu: Unconfined compressive strength, TSF

Qp: Penetrometer value, unconfined compressive strength, TSF

Mc: Water content, 3

LL: Liquid limit, %

PI: Plasticity Index, 3

-: Apparent groundwater level at time noted after completion.

DRILLING AND SAMPLING SYMBOLS

SS: Split-Spoon - 1 3/8 * I.D., 2 * O.D., except where noted.

ST: Shelby Tube - 3° O.D., except where noted.

AU: Auger Sample

DB: Diamond Bit

CB: Carbide Bit

Hard

WS: Washed Sample

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

TERM (NON-COHESIVE SOILS)	STANDARD PENETRATION RESISTANCE
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Over 50
TERM (COHESIVE SOILS)	Qu - (TSF)

Very Soft	0 - 0.25
Soft	0.25 - 0.50
Firm (Medium)	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00

4.00 +

PARTICLE SIZE

Boulders	8 in. +	Coarse Sand	5mm-0.6mm	Silt	0.0074mm-0.005mm
Cobbles	8 in3 in.	Medium Sand	0.6mm-0.2mm	Clay	-0.005mm
Gravel	3 in5mm	Fine Sand	0.2mm-0.074mm	-	

ENVIRONMENTAL ACRONYMS

FID	Flame Ionization Detector	TPH	Total Petroleum Hydrocarbons
PID	Photon Ionization Detector	GRO	Gasoline Range Organics
VOC	Volatile Organic Compound	DRO	Diesel Range Organics
TOC	Total Organic Carbon	TLC	Temperature, Level, Conductivity

Facility/Project Name Bob's Citgo – 602 West Madison A venue, Milton, WI									Seymour Project Number License/Permit/Monitoring N							Vumber		
Bob's Citgo – 602 West Madison A venue, Witton, W1 Boring Drilled by Soil Essentials (Cory Johnson) Seymour Environmental (Robyn S								Date Installed										
Soil	Essenti	als (Co	ry Johr	nson) Seymo	our Env	vironmental (Rob	yn !	Seymour) 8/24/05 Borehole Diameter Water Level Surface Eleva								lovation	
Boring B-1	g or Well	Number	WI	Unique Well N	lumber (assigned by DN	R)		2-inch									
¼ of ¼ of Section T N R W									Grid Location (if applicable)									
									Civil Town Milton									
County Rock County Code 54											JWII	1	T				1	
s	E	D					V		D I			Stable	S	Soil P	ropert]		
A M	CO	E P			OIL/RC		E	3	A	U	R	0					7	Blow
P L	V	T H		DI	ESCRIP	TION	I		G R	S C	Q D	V M						Count
Е	R	(ft)							A M	S		(vppm)	q	W	LL	PL	P200	¥.
	1	Surf		Asphalt			\top											
1	28											208						
}				Base coars	e-sand	y gravel				GW		200						
2	32	4	6	Dark gray	peaty c	clay				OL		16						
2	32		•	Change to slightly silty clay						CL								
							_											
	44	8		Gray silty	clay							33.4						
	74.4									33.1								
				Change to	brown	fine sand				SMA								
4	48	12	Same as above	above		V		30.5										
1	70			banic as ac	010							30.5						
		0					4				_							
5	46	16)	18	Stained lay	er 2-in	ches thick				SM		902	E	=14	60	0		
	"		19	Underlain l						ML			1	-6	P. Contract of the Contract of) (()		
				Change to	light b	rown f-sand	1			SM								
6	42	20		Same as ab	ove					SM		23.5						
		24					-				_		-	-	-			
7	32	24										30.3						
						nd pea grave	1			sw			2	Ì	114			
		20		Refusal at 2	27 ft		4	1			_	@	27	-	ND			
		28																
							-				_		_	-				
)																		
<u></u>		2.								F:	<u>_</u>	L	<u> </u>	<u></u>	<u> </u>	<u> </u>	Ļ	
Signa	iture	KORY	nol	umor	w					Firm:	: Se	ymour E	nviro	nmen	tal Se	rvices	, Inc.	

	y/Projec			S	Seymour	Proje	ct Number	Licens	se/Perm	it/Mor	nitoring	Number
Boring	Drilled	by	West Madison A venue, Milton, WI						nstalled	i		
Soil I	essenti or Well	als (Co	ory Johnson) Seymour Environmental (Robyn Ser WI Unique Well Number (assigned by DNR)	Sey LE	ymour) Borehole	Diam	neter	8/24/ Water	U5 Level	Sı	urface E	levation
B-2	3				2-inch							
1/4	of	_ ¼ of S	Section T N R W		Grid Lo	catio	n (if applicable)					
Coun	ty]	Rock	County Code 54	C	Civil To	own	Milton					
S A	R E C	D E P	W	D I A	U	R	Stable O	Soil F	roper	ties		Blow
M P L E	V E R	T H (ft)	DESCRIPTION L L	G R A	S C S	Q D	V M (vppm) q	w	LL	PL	P200	Count
1	36	Surf		M	CL SW SP	•	0.4					
2	42	4	Med brown f-m grained sand (fill?)		SM		4.7					
3	48	8	Same as above		SM ¹		5.1					
4	48	12	Change to silty clay, dense		CL		4.9					
			Med brown f-m grained		SM							
5	36	16	Sand (end of fill) V fine brown sand		SW.		3.8					
		20	End of Boring 20 ft									
1												
Signa	ture	Roh	1600 (1000)		Firm	<u></u>	ymour Envir	onmer	tal Se	rvice	e Inc	
Signa	ture	1 Will	yndupuon		I mill.	36	yillour Ellvii	Offillel	nai oc	I VICE	3, 1110.	

PROJECT NO.	FIELD REPRESENTATIVE			REW				BOR		
3141-03-01	Dan Reek (TNA)			Scott	Trom	p (PS	SI)	B3	•	
CLIENT			М	ETHOD				SHE	ET	
WISDOT				4HSA		•			1 0	F 1
PROJECT			. s	TA.				SUR	FACE	ELEV.
Phase II Site A	Assessment			28+33						
LOCATION 620 W. Madison Milton, WI	Avenue		1	FFSET	LT			DATI	Eʻ 25-9	2
DES	CRIFTION	DEPT	н	SAMPLE	N	Q ₀	Q,	Me	FID PID	REMARKS
Concrete Surfac	ce 0.5'		400							
Gravel Fill	(GM)									
		2	7	1	11				Ö	GRO .
	2.8		_							
Organic Topsoil	A-1 22 151	4								
	(OL)	•		2	6				3	
-AUGUS	(0-)		1							
discontinue.		6	닉							
		8		3	7				6	GRO, DRO Pesticide
NAME OF THE PARTY	9.0	J	1							restrictue
Organic Silt, G		10		4	7				5	
Boring Terminat			1							
		12	\exists							
nove		Ja 149								
			1							
			1				1			
-										
			1	1					1	
_			1							
GROUND WATER OBSERVATIONS		House, and								
While drilling	No Water		т	ime after	drilli	ng				secilianimososomos despetitores galumosota
After Boring Completed	No Water		. D	epth to w	ater		-		• •	Commencer Commencer
Cave-In_			D	epth to c	ave-in	And particular programme (1)	Anneligh ellered		• •	
Backfill Material	Bentonite			ater Notes						
Changes of strata indicate and may vary considerably lines.	d by the lines are approximate between boring locations. Dashe	oundar	y bo	etween so hould be	il types interpre	. The	more a	transi pproxi	tion make the	ay be gradual han solid

	ty/Projec		West Madison A venue, Milton, WI		Seymour	Proje	ect Number		Licens	e/Perm	nt/Mor	nitoring	Number
	g Drilled		west Madison A venue, Millon, WI					-	Date I	nstalled	i		1.0.1
Soil	Essenti	als (Co	ory Johnson) Seymour Environmental (Roby						8/24/				
	g or Wel	l Number	WI Unique Well Number (assigned by DNR)		Borehole 2-inch	Dian	neter		Water	Level	S	urface E	levation
B-3	4 of	1/4 of S	Section T N R W	\dashv	~~~~	catio	n (if applica	able)					
Cour		Rock	County Code 54		Civil To	own	Milto	on				Т	
S	E	D		D				[1-:1 D			7	
A M	C	E	SOIL/ROCK F			R	Stable		SOII P	roper	nes]	Blow
P	V	T	DESCRIPTION L	G	S	Q	V						Count
L E			L		CS	D		q	w	LL	PL	P200	
	Y	2	A I I4	M						T	T	т	
1	36	Suri		1	ML								
-							0						
	-	1	Changa to brown slightly		CI	_			_		-	\vdash	
2	42	4			CL		1.2						
								i i					
					1						-		
3	48	8	Same as above	1	CL		15						
Ĭ	70		10				7.5						
			Change to brown fine sand		SWA								
	40	12			V .		10.2						
4	48				CO		19.3						
					SW								
		16	Fine sand with silt layers										
5	36		Distance distance de la constance de la consta				0	N	D				
					SMA								
		20	Dayers, moist		J				_	 	-		- ,,
			Same as above		SM		0						
		24	End of boring 24 ft							-	 	-	
		27	2 Side of Colling 24 It										
		20									ļ		***
		28											
	W of W of Section T N R W Grid Location (if applicable)												
	2 42 Silty clay 3 48 8 Same as above 10 Change to brown fine sand 4 48 12 5 36 16 Fine sand with silt layers Dk brown silty sand with sand Layers, moist 20 Same as above SM 0 ND SM 0 SM 0 SM 24 End of boring 24 ft												
	C E SOIL/ROCK E A U E A S Stable Soil Properties Blow Count												
)													
Signa	iture /	loke	Moundon		Firm:	Se	ymour E	nviro	nmen	tal Se	rvice	s, Inc.	

State of Wisconsin SOIL BORING LOG INFORMATION Department of Natural Resources Form 4400-122 Rev. 7-98 Route To: Watershed/Wastewater Waste Management Remediation/Redevelopment Other Page 1 of 1 Facility/Project Name License/Permit/Monitoring Number Boring Number Bob's Citgo B4R SCS#: 25221172 Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling Method Tony Kapugi Kapugi On-Site Environmental Services 10/18/2021 10/18/2021 Geoprobe WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Borehole Diameter Surface Elevation approx. 880 Feet Feet 2.0 in. Local Grid Origin (estimated:) or Boring Location Local Grid Location State Plane N, Ε S/C/N Lat Feet \square E Feet N SW \square s \square w 1/4 of NE 28, T 4 N, R 13 E 1/4 of Section Long Facility ID County Code Civil Town/City/ or Village County 54 Rock Milton Sample Soil Properties Soil/Rock Description Depth In Feet Blow Counts Recovered (Length Att. Penetration And Geologic Origin For Number and Type PID/FID Diagram Standard Moisture Plasticity Content Graphic Liquid Limit Each Major Unit USC P 200 Well Log CONCRETE POORLY GRADED SAND w/ SILT and GRAVEL, SP-SM very pale brown, dense S1 O D SANDY SILT, dark grey to dark brown, stiff 2 43 SILTY SAND, dark grey to dark brown, dense - 3 SM S2 8.8 M 4 5 SILT, dark grey to dark brown, stiff 6 S3 13.2 M ML -7 44 -8 LEAN CLAY, grey, stiff S4 19.7 M Petroleum odor 9 -10 -11 CL **S5** 405 M 12 55 13 Lab sample 14.5-15' bgs for PVOC +N. **S6** 363 M 14 POORLY GRADED SAND, fine, brown, trace gravel SP -15 EOB @ 15' bgs. Borehole abandoned with bentonite chips and re-topped with concrete.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

SCS Engineers

Jacob Krause

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Tel:

Fax:

	y/Projec		West Medican A vanue Milton WI		Se	ymour	Proje	ct Number		License	e/Permi	it/Mon	itoring l	Number
	s Citgo g Drilled		West Madison A venue, Milton, WI						-	Date In	stalled			
Soil	Essenti	ials (Co	ory Johnson) Seymour Environmental (Rob	yn S	eyı	mour)				8/24/0				
Boring	g or Wel	1 Number	WI Unique Well Number (assigned by DNR)		Bo	orehole	Diam	eter		Water	Level	Sı	ırface E	levation
B-4	1					inch								
1/2	of	_ ¼ of S	Section T N R W	/	(Grid Lo	cation	ı (if applica	ble)					
Cour	ity	Rock	County Code 54	-	C	ivil To	own	Milto	n	,				
	R				T									A44.
S	E	D	,,,	D				C+-1.1-		Soil P	ropert	ies		
A M	C	E P	SOIL/ROCK E			U	R	Stable O	L		1		J	Blow
P	V	T	DESCRIPTION L	G		S	Q	V						Count
L E	E R	H (ft)	L	R		C S	D	M (vppm)	q	w	LL	PL	P200	
L	Y	(11)		M		5		(урріі)						
		Surf	Concrete 7-8-inches thick											
1	44													
			Peaty black clay			OL		3.2						
	-	4	No change but hydrocarbon		-		-	_		+				
2	42	4	odor			OL	(75)	B	= 1:	120			
_										,				
		8	End of Boring		Γ									
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Sign	turo	Rah	40-5		+	Firm:	- Sa	ymour E	nvir	nmer	tal Sa	rvice	e Inc	
Signa	itule /	MA	Meynian			r mm;	. 36	ymour El	IVII(mmen	iai se	rvice	s, mc.	

SOIL BORING LOG INFORMATION Form 4400-122 Page 1 of __1_

	y/Projec		West N	∕adison A	venue	Milton W	71		1	Seymour	Proje	ect Number		Licens	e/Perm	it/Mon	itoring l	Number
	g Drilled		W CSI IV	Mauison A	venue,	ivilitoli, vv	1							Date Ir	istalled	1		
Soil 1	Essenti	als (Co		nson) Seyn										8/24/	05			
Boring B-5	g or Well	l Numbe	WI	Unique Well	Number	(assigned by	DNR))		Borehole 2-inch	Dian	neter		Water	Level	Si	ırface E	levation
	of	1/4 of 9	ection	T	N	P		W	+		catio	n (if applic	able)					·
																*		
Coun	ty 1	Rock		County C	ode	54			(Civil T	own	Milto	on					
S	R E	D							D								7	
A	C	E					1	W	I			Stable		Soil P	roper	ties		
M P	O V	P T		r	SOIL/RO DESCRIP			E L	A G		R Q	O V						Blow Count
L	E	Н		L	LICKII	HON	1	L	R	C	D	M						Count
Е	R Y	(ft)							A M	S		(vppm)	q	W	LL	PL	P200	
	<u> </u>	Surf		Concrete	3-inche	s thick									Τ			
1	28																	
		1.00		Gravel an	d sand,	some				GW		4.5						
				garbage						GM								
		4		Dark gray	neaty (lav							\vdash	-				
2	42			odor	pour	JIG ,				OL	(67)	k	= 11	o A			
													12	Th	10	1		
				T 1 05									_					
		8		End of Bo	oring				-									
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Signa	ture /	Poh.	100	Sime	(DIC)					Firm	Se	vmour E	nvir	nmen	tal Se	rvice	i Inc	

SOIL BORING LOG INFORMATION Form 4400-122 Page 1 of __1_

		t Name - 602	West N	Andiso	n A ve	nue	Milton	WI			S	eymour	Proje	ct Number		License	e/Perm	it/Mor	nitoring	Number
Boring	Drilled	by) obs	m C	01					Date In 8/24/0	stalled		-	
Boring	or Wel	als (Co I Number	WI	Unique	Well Nu	imber ((assigned	by DNF	(00 <u>)</u> (3)	113	В	orehole	Diam	neter		Water		S	urface E	levation
B-6	of	¼ of S	ection		Т	N	R		W	+	_	-inch Grid Lo	catio	n (if applica	able)		~~~			
										_										
Coun	R	Rock		Coun	ity Coo		54		Т		T	Civil T	own	Milto	on 					
S A	E C	D E							w	D				Stable	S	oil P	ropert	ies]	
M P	O V	P				OIL/RO			E	A		U S	R Q	O V						Blow Count
L E	E R Y	H (ft)			DE		11011		L	R A N		C S	Ď	M (vppm)	q	w	LL	PL	P200	
		Surf		Conci	rete 3-	inche	s thick		<u></u>	1										
1	28			Sand								SW		1.2						
				Dark	gray p	eaty c	alay					OL								
2	42	4		Same	as abo	ove						OL	(27	В	- 1	370			
2	72												`		P		140			
		8		End o	of Bori	nσ			$ \cdot $			~							-	
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Signa	ture	1206	yno	Su	m	ou	1					Firm	Se	ymour E	nviro	nmen	tal Se	rvice	s, Inc.	

		t Name 0 – 602 W	est Madison Avenue, Milton, WI			Seymou	r Proje	ect Number		Licen	se/Pem	111/[MOI	litoring .	Number
Boring Soil	g Drilled Essenti	l by ials (Cory	Johnson) Seymour Environmental	Rob	yn Se	ymour)			4/6/2				
B-7	-		WI Unique Well Number (assigned by DN			Borehole 2-inch	Dian	neter		Water dry	Level	Si	urface E	levation
1/4	of	_ ¼ of Sect	ion T N R	W		Grid L	ocatio	n (if applic	able)					
Coun	,	Rock	County Code 54			Civil T	own	Milto	on					
S A	R E C	D E		W	D			Stable		Soil F	roper	ties	7	
M P	0 V	P T	SOIL/ROCK DESCRIPTION	E	A G	US	R Q	O V	<u> </u>		····	······································		Blow Count
L E	E R Y	H (ft)		L	R A M	S	D	M (vppm)	q	w	LL	PL	P200	
1	28	Surf	Asphalt		<u> </u>									
			Base coarse-sandy gravel		,	GW		0						
2	36	4	Dark brown peaty clay	7	,	OL		6	-					
۷	30		Change to slightly silty clay			CL		6						
3	44	8	Brown silty clay					1.4						
			Change to brown fine sand			SM								
4	48	12	Same as above					4.3						
		16		-			-		-	-	-			
5	48		same as above Staining noted			SM ML		12 26 45						
		20	Change to light gray f-sand End of Boring			SM		43						
Signa	iture	Robin	n Sujnieri			Firm	: Se	ymour E	Enviro	onme	ntal S	ervice	es, Inc.	

Facility/Project Name Seymour Project Number License/Permit/Monitoring Number Bob's Citgo - 602 West Madison Avenue, Milton, WI Boring Drilled by Date Installed Soil Essentials (Cory Johnson) Seymour Environmental (Robyn Seymour) 4/6/2011 Boring or Well Number WI Unique Well Number (assigned by DNR) Surface Elevation **Norehole Diameter** Water Level B-8 2-inch dry 1/4 of Section _____ T ¼ of Grid Location (if applicable) Rock County **County Code** 54 Civil Town Milton E S D D Soil Properties E W E L L Stable A M OVE P SOIL/ROCK A G R O V U R Blow T P DESCRIPTION Q D SCS Count H L M R E (ft) A (vppm) LL PL P200 M Surf **Asphalt** 1 36 GM Base coarse-sandy gravel GW 0 Change to slightly silty clay CLA 4 2 48 750 Change to gray slightly silty CL clay, hydrocarbon odor 8 End of Boring Signature Robyn Symon Firm: Seymour Environmental Services, Inc.

Bob's Citigo - 602 West Madison Avenue, Milton, WI		/Projec		Wost N	Andigon	Avanua 1	Milton W/I			S	eymour	Proje	ct Number		License	e/Perm	it/Mon	itoring l	Number
Boring or Well Number WI Unique Well Number (assigned by DNR) Borehole Diameter 2-inch dry Water Level dry Grid Location (if applicable) County Rock County Code 54 Civil Town Milton S				W est IV	viauison i	Avenue, 1	vinton, wi					·····		-	Date In	stalled	<u> </u>		
B-9	Soil F	Essenti	als (Co	ry Johr	ison) Sey	mour En	vironmental (Rob	yn i	Sey	mour)								
Not		or Wel	l Number	WI	Unique We	il Number ((assigned by DN	R)				Diam	eter			Level	Sı	irface E	levation
County Rock County Code 54		of	1/4 of S	ection		N	R	W	,	_		cation	(if applica		<u></u>				
S E D E SOIL/ROCK DESCRIPTION N I E A U R C D V V T DESCRIPTION N I E R (ft) Soil Properties Blow Count A S D W LL PL P200 Count GW Count CL Change to brown fine sand 12 End of boring Soil Properties Soil Properties Soil Properties Soil Properties Soil Properties CL O CL Soil Properties O Count A S D D M (vppm) Q W LL PL P200 Count CL CL CL CL CL CL CL Soil Properties L G S Q V V V V V V V V V V V V V V V V V V										<u> </u>								····	
Solity Solity Clay Solity Count Solity Count Solity Clay Clay Solity Clay Solity Clay Solity Clay Clay Solity Clay Solity Clay Solity Clay Clay Solity Clay Soli	Coun	<u> </u>	Rock		County	Code	54			Γ	ivil To	wn	Milto	n					
A C E M O P V T DESCRIPTION	S	R	D							П				 				7	1
P V T H Count L G S Q V M (vppm) q W LL PL P200 Surf Asphalt 1 32 Surf Asphalt Dark brown stiff clay, sl. silt Change to slightly silty clay Surf Change to brown fine sand 12 End of boring Count L G S Q D W M (vppm) q W LL PL P200 M S D D M (vppm) q W LL PL P200 M S D D M (vppm) q W LL PL P200 M S D D M S D D M (vppm) q W LL PL P200 M S D D M S D D D D D D D D D D D D D D	A	C	E			50T 00	nor.		,	I		_		8	Soil P	roper	ties		701
L E R (ft)																			
Y Surf Asphalt 1 32 Surf Base coarse-sandy gravel 2 36 Change to slightly silty clay CL CL CL CL CL CL CL SM Change to brown fine sand 12 End of boring											C	Ď		_	w	7.7	PI.	P200	
Base coarse-sandy gravel Dark brown stiff clay, sl. silt Change to slightly silty clay Brown silty clay Change to brown fine sand The change to brown fine sand	E		(11)										(vppiii)					1250	
Base coarse-sandy gravel CL Change to slightly silty clay Brown silty clay Change to brown fine sand 12 End of boring GW CL CL CL CL SM SM SM			Surf		Asphalt														
Base coarse-sandy gravel Dark brown stiff clay, sl. silt Change to slightly silty clay Brown silty clay Change to brown fine sand The change to brown fine sand	1	32											_						
2 36 4 Dark brown stiff clay, sl. silt Change to slightly silty clay Shape to brown fine sand Change to brown fine sand					Base co	arse-sand	v gravel			. '	GW		U						
2 36 Change to slightly silty clay 8 Brown silty clay CL CL CL 1.8 SM 12 End of boring							, g												
Change to slightly silty clay 8 Brown silty clay CL CL 1.8 SM 12 End of boring			4		Dark br	own stiff	clay, sl. silt	7			CL								
3 44 8 Brown silty clay Change to brown fine sand 12 End of boring	2	36			Change	ta aliabti	v oilte olov				CI		0				-		
3 44 Change to brown fine sand 12 End of boring					Change	to sugnit	y snty ciay				CL								
3 44 Change to brown fine sand 12 End of boring			8		Brown s	ilty clay		۱ ا			CL			-	 		 	-	
12 End of boring	3	44					•		49	,			1.8			1			
12 End of boring	1				C 1	4	£				CD E								
	<i>)</i>		12				Tine sand	-			SIVI				 	 	+-	-	
			12		Lift Of t	Of Hig													
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Signature Robyn Suprum Firm: Seymour Environmental Services, Inc.	Signa	ature	Rose	2,00	<u> </u>	400 445	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Firm	: Se	ymour E	inviro	nmer	ital S	ervice	s, Inc.	

	s Cited		West Madison Avenue, M	ilton, WI		1	seymour	Proje	ect Number		Licens	e/Perm	IVMON	HOTING I	Number
Borin	g Drilled	by										stalled			
Soil	Essenti	als (Co	ry Johnson) Seymour Envi	ronmental (Rossioned by DNR)	obyı		mour) Borehole		neter		4/6/20 Water		Si	rface E	levation
B-10						2	e-inch	Dian			water	LOVOI		illacc L	
1/2	4 of	_ 4 of S	ection T N	R	W	-	Grid Lo	catio	n (if applica	able)					
Cour	ity	Rock	County Code	54		(Civil T	own	Milto	on					
S	R E	D				D								1	
A M	CO	E	SOIL/ROO	שיר	W E	I	***	D	Stable		Soil P	roper	ties		Blow
P	V	Т	DESCRIPT		L	A G	U S	R Q	O V						Count
L E	E R Y	H (ft)			L	R A M	C S	D	M (vppm)	q	w	LL	PL	P200	
		Surf	Asphalt			IVI									
1	28						/ AA		0						
			Base coarse-sandy	gravel (fill)			Ğ₩ ,G₩								
		4	Dark brown clay	(1.4.)			CL								
2	36		Change to slightly	silty clay	1		CL		0						
				only oldy			CL								
3	44	8	Brown silty clay						1.4						
3	44		10				an and the state of the state o		1.4						
	-	10	Change to brown f	ine sand			SM				<u> </u>				
4	48	12	Same as above						4.3						
		16					1				-	-			
5	48	1.0	Same as above				SM								
						1			8						
		20					1								
6	40		Same as above				SM		15						
		24	End of Boring												
								_			-	-	-		
Signa	ture	120	an Sumuru	~			Firm	: Se	eymour E	nviro	nmen	ital Se	rvice	s, Inc.	

	y/Projec		West N	Madison	Avonu	0 N	Milton	WAT			15	Seymour	Proje	ect Number		Licens	e/Perm	it/Mon	itoring	Number
Boring	Drilled	by											-			Date Ir				
Soil I	Essenti	als (Co	ry John	nson) Se	ymour	Env	vironn	nental (I	Rob	yn	Sey	ymour) Borehole	D:			4/6/20 Water			-C T	levation
B-11	g or wei	i Number	. WI	Onique w	ven num	Der (assigne	a by DNI	()			sorenoie 2-inch	Dian	ieter		water	Levei	SI	iriace E	levation
1/4	of	_ ¼ of S	ection _				R		V	I		Grid Lo	catio	n (if applic	able)					
Coun	ty	Rock		Count	y Code		54				(Civil To	own	Milto	on .					
S A M P L E	R E C O V E R Y	D E P T H (ft)			SOIL DESC				W E L L	7	D I A G R A	U S C S	R Q D	Stable O V M (vppm)	q	Soil P	roper	ties	P200	Blow Count
	20	Surf		Asphal	lt					1 1	1									
1	28			Base c	oarse-sa	andy	y grav	rel				бм Gw		0						
2	36	4	16	Dark b	rown p	eaty	clay					OL		6						
2	30		16	Change	e to slig	htly	silty	clay				CL		0						
		8		Brown	silty cl	ay														
3	44													1.4						
)				Change	e to bro	wn	fine s	and				SM								
4	48	12		Same a	is above	e								4.3						
5	48	16		Stainin Change		y f- s	sand, l	he				SM SM		560						
		20		End of	Boring															
Signa	ture	R.56.	· · ·	Sun	a Lett	<u></u>			1			Firm:	Se	ymour E	nviro	nmen	tal Se	rvice	s, Inc.	

	y/Projec		West Madison Avenue, Milton, WI	1	Seymour	Proje	ect Number	Licen	se/Pern	nit/Moi	nitoring	Number
Boring	g Drilled	by	e Cruise) Seymour Environmental (Robyn S	eym	our)				Installe 5/201	0		
Boring	g or Wel	Number	WI Unique Well Number (assigned by DNR)	ī	Borehole	Dian	neter	Water	Level	S	urface E	Elevation
MW-		V, of S	VU 856 Section 28 T 4 N R 13 E	+	2-inch Grid Lo	catio	n (if applicable)					·
Coun		Rock	County Code 54	(Civil T	own	Milton					
S A M	R E C	D E P	SOIL/ROCK E	D I A	U	R	Stable O	Soil I	Proper	ties		Blow
P L E	V E R Y	T H (ft)	DESCRIPTION L L	G R A M	S C S	Q D	V M (vppm) 4	w	LL	PL	P200	Count
		Surf	Gravel Base coarse-sandy gravel		GW							-, 2
1	18	<u> </u>	Med. brown silty clay, stiff	1	CL	 	0		+-	 	 	2, 3
0	14	5			CM							-, 5
2	14	10	Med. brown f sand, sl gravel		SM	+-	0	+	+	 	-	7,7
2					C) f		0.5		Ĺ			-, 2
3	14	15	Lt brown vf sand, silt seams		SM		0.5	-		-	-	3, 4
4	18		Same as above, dense				1.3					-, 6 9, 11
<u> </u>	1	20				╁			 	 	1	-,
5	12		Brown f-c sand and gravel		sw		2.1					-, 21 22, 23
		25						j				-, 23
6	18	30	Same as above v.dense sand w gravel		SW	-	0		-	-	-	42, 50
7	14		Light brown fine sand with slight Silt, trace clay		SM		0					-, 20 30, 47
		40										
8	14		Brown fine sand with trace of gravel dense				0					-, 10 16, 16
		45										-, 6,
	<u> </u>	<u></u>	Same as above			<u> </u>	0.1			<u> </u>		10, 20
Signa	ature	Rober	ns Summer		Firm	: Se	ymour Envir	onme	ntal S	ervice	s, Inc.	

									f <u>2</u>
Facility/Project Name Bob's Citgo – 602 West Madison Avenue, Milton, WI		Seymour	Proje	ect Number	Licens	e/Perm	it/Moni	toring	Number
Boring Drilled by					Date I				
Badger State (Dave Cruise) Seymour Environmental (Robyn	Seyn	nour)			10/25				
Boring or Well Number WI Unique Well Number (assigned by DNR) WW-1 VU 856		Borehole 2-inch	Diam	neter	Water	Level	Su	rface E	levation
¼ of ¼ of Section T N R V	w	Grid Lo	cation	n (if applicable	e)				i
County Rock County Code 54		Civil T	own	Milton					
	D W I E A		R	Stable O	Soil P	roper	ties		Blow
P V T DESCRIPTION I	L G L R A M	S C S	Q D	V M (vppm) q	w	LL	PL	P200	Count
Same as above	1 1								
9 18 50				0.9					-, 15 20, 21
Hit water at 53 Color change to gray, strong hc odor									-, 10
10 14 55				1650		-			13, 15
11 14 60									
End									
							-		
Signature Rokeyn Suyruvn		Firm	 : Se	ymour Env	rironmer	 ntal Sc	rvices	s, Inc.	

	Remediation/Redevelopment Oth	Te Management Form 4400-113A	ELL CONSTRUCTI
The state of the s	Local Grid Location of Well N.	DE. Well Name	
JUNCTION STATION	L IS IS	1 de la 10 m-1	
Facility License, Permit or Monitoring No.	Lat Cestimated: Lat Long	"or V48576	
Facility ID	St. Planc ft. N, Section Location of Waste/Source		012512210
Type of Well			Name (first, last) and F
Well Code/	1/4 of1/4 of Sec," Location of Well Relative to Waste/S		STATE DULL
Distance from Waste/ Enf. Stds.	u Upgradient s Side	radient Gov. Lot Number	
Source (L Apply 🖂	d Downgradient n Not		***************************************
A. Protective pipe, top elevation £4		1. Cap and lock?	₫ Yes □ No
		2. Protective cover pipe:	
B. Well casing, top elevation — — —	-2"n. MSL	a. Inside diameter:	9.1
C 1 4 4 3 5	ft.MSL	b. Length:	/ ſ
		GZSS c. Material:	Steel Pa C
D. Surface seal, bottom ft. M	SLor 1 288 4 1		Other 🗆
12. USCS classification of soil near scree		d. Additional protection?	☐ Yes ☐ Ñ
GP GM GC GW G	SW C SP C VI V	If yes, describe:	
SM SC MLO MHO		1 1	Bentonite D 3
Bedrock □		3. Surface scal:	Concrete Q 0
13. Sieve analysis performed?	Yes 🗆 No		Other 🗆 🖔
14. Drilling method used: Ro	stary 🗆 50	4. Material between well casing and pro	
Hollow Stem A			
	Shar Till Market		Other 🗖
		5. Annular space scal: 8. Granular/C	hipped Bentonite [] 3
15. Drilling fluid used: Water □ 0.2	Air 🗆 O1 💮 🖾 🖾	b. Lbs/gal mud weight Bent	onite-sand slurry 3
Drilling Mud [] 03	None 2 99	bcos/gat mud weight ocid	Bentonite slurry 3
		cLbs/gal mud weight	Bentonite slurry
16. Drilling additives used?	Yes □ No 🐰 🕷	d % Bentonite Bentor	
		eFi ³ volume added for	
Describe		f. How installed:	Tremie 🔲 (
17. Source of water (attach analysis, if req	uired):		Tremie pumped []
		T. C.	Gravity D
			micmite granules []
E. Rentonite seal, topft. MS	1/0	b. □1/4 in. ⊅3/8 in. □1/2 in.	
		/ c.	_ Other □
F. Fine sand, top ft. MS	SL or _ 95.5 ft.	7. Fine sand material: Manufacturer, p	roduct name & mesh si
G. Filter pack, top ft. MS	SL or _ 46 ft.	b. Volume added	n ³
and the second section of the second		8. Filter pack material: Manufacturer,	
H. Screen joint, top ft. MS	SLor_48 ft	1 20210 #5	
I. Well bottom ft. MS	SL or _ 63 ft 1	b. Volume added	ft ³ /Cschedule 40 ☑ 7
			/C schedule 80 🔲 🖫
J. Filter pack, bottomft. MS	SLor_ 65 ft.	<u> </u>	Other 🗆
K. Borehole, bottom ft. MS	SL or _ 63 n.	10. Screen material: SCH 40 P) a. Screen type:	Factory cut
		* *	Continuous slot [] (
L. Borehole, diameter in.			
		b. Manufacturer Adono File	5x
M. O.D. well casing in.		c. Slot size: d. Slotted length:	0. <u>026</u> 75
N. I.D. well casing in.		11. Backfill material (below filter pack):	None 🔯 1
200		,	Other 🗆
		***************************************	410 (4 X4/2 X1110 A

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to fill these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SOIL BORING LOG INFORMATION Form 4400-122 Page 1 of <u>1</u>

During Dulled by During Dulled by During Dulled by During Dulled by During Dulled by During of Well Number With I Dulque Well Number (assigned by DNR) During of Well Number With I Dulque Well Number (assigned by DNR) During of Well Number With I Dulque Well Number (assigned by DNR) During of Well Number Ware Level Surface Elevation -52	Facility/Pi			West Madison Avenue, Milton, WI	Seymour Project Number				License/Permit/Monitoring Number MW-2							
Boring of Well Number	Boring Dr	rilled l	by		1				1	Date In	stalled					
NW-2	Badger	State	(Alex	R Plummer) Seymour Environmental (Robyn S			. .									
SW % of NE % of Section 28 T 4 N R 13 E Grid Location (if applicable)		Well	Number	r WI Unique Well Number (assigned by DNR)							levation					
County Rock County Code 54		NE	¼ of S	Section 28 T 4 N R 13 E	Ť		catio	n (if applicab	 -							
S R C D D SOIL/ROCK B A C D P SOIL/ROCK COUnt L E A U R C D M (vppm) a W IL FL P330 Count L E R C D M (vppm) a W IL FL P330 Co			_		Ļ,	O''1 T		N 6:14								
S E D E SOIL/ROCK E A U V T DESCRIPTION L G S Q V T DESCRIPTION T S T T T T T T T T			COCK	County Code 54	Ľ	Civil I	own	Miltor	1				1			
M O P P T DESCRIPTION L G S Q V L R C D M (rypm) q W LL PL F200 Count L E R (ft)			Ð	<u> </u>	D				Г	110			1			
P V T B DESCRIPTION L G S C D W C PPMM Q W LL PL P2500 Count L E R (fl) Surf Blind drilled, logged and sampled cuttings 10 Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft						11	D			011 P1	тореп	ies]	Dlow		
E R V (ft) Surf Asphalt Blind drilled, logged and sampled cuttings 10 Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft	P	V	Т	DESCRIPTION L	G	S	Q	v				100	<u>-</u>			
Y Surf Asphalt Blind drilled, logged and sampled cuttings Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft				1 -			D	1 1	q	w	LL	PL	P200			
Blind drilled, logged and sampled cuttings 10 Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt ML 0 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt ML 12.5 ML 12.5 ML 12.5								(1)			1					
cuttings Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt ML 0 SM 75 SW 82 Change to light brown silt Change to light brown silt ML 12.5 Hit water 52-53 feet End of boring 64 ft			Surf											1		
10 Gray brown sandy silt with clay Slight he odor 20 Light brown sandy silt 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft				1												
Slight he odor 20 Light brown sandy silt 30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft			10	1 1 1		ML										
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30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft																
30 Change to light brown silty sand Sand with gravel/cobbles 40 Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft			20	I ight brown sandy silt		MI										
Sand with gravel/cobbles Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft				Light brown sandy sitt		IVIL					<u> </u>					
Sand with gravel/cobbles Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft																
Sand with gravel/cobbles Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft																
Change to light brown silt ML 12.5 Hit water 52-53 feet End of boring 64 ft			30	Change to light brown silty sand		SM		75			-					
Change to light brown silt ML 12.5 Hit water 52-53 feet End of boring 64 ft				Sand with gravel/cobbles		sw		82								
Change to light brown silt 50 Hit water 52-53 feet 60 End of boring 64 ft						"										
S0			40										į			
S0																
Hit water 52-53 feet 60 End of boring 64 ft				Change to light brown silt		ML		12.5								
End of boring 64 ft			50										i			
End of boring 64 ft				Hit water 52-53 feet					•							
End of boring 64 ft																
End of boring 64 ft			60													
			00							-						
Signature Robert Seymour Environmental Services, Inc.				End of boring 64 ft												
Signature Robert Seymour Environmental Services, Inc.																
Signature Robert Seymour Environmental Services, Inc.																
Signature Robert Seymour Environmental Services, Inc.		Ì												ľ		
Signature Robert Seymour Environmental Services, Inc.																
Signature Robert Seymour Environmental Services, Inc.																
Signature Robert Firm: Seymour Environmental Services, Inc.																
Signature Robert Firm: Seymour Environmental Services, Inc.																
Signature Roberton Firm: Seymour Environmental Services, Inc.														İ		
	Signatu	re /	Rola !	1m Sen		Firm:	Se	ymour En	viro	nmen	tal Se	rvices	i			

State of Wisconsin Department of Natural Resources Route to: Report	rshed/Wastewater	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name Loca	al Grid Location of Well	, CIP	Well Name
30B\$ CITGO	r s	r. w.	NW-2
Facility License, Permit or Monitoring No. Loca	al Grid Origin estimate	ed: []) or well Location []	Wis. Unique Well No. DNR Well ID No.
Lat,		ongon	
Facility ID St. F		ft. E. S/C/N	Date Well Installed 0212312011
Sect	ion Location of Waste/Source	œ.	m m d d v v v v
Type of Well	1/4 of 1/4 of Sec,	□ E	Well Installed By: Name (first, last) and Firm
Well Code/	ation of Well Relative to Wa		- BADGER STATE DRIVING CO
Distance from Waste/ Enf. Stds. u		Sidegradient	Δ_1 Ω_1
	☐ Downgradient n ☐		Alex Plummer
	_ ft. MSL	1. Cap and lock?	Yes 🗆 No
B. Well casing, top elevation -2'	n. MSL	2. Protective cover	
2		a. Inside diamete	er:/_in_ / ft.
C. Land surface elevation	ft. MSL	b. Length:	
D. Surface seal, bottom ft. MSL or	ft. 9	c. Material:	Steel (27 04 Other
12. USCS classification of soil near screen:		d. Additional pr	*******
GP GM GC GW SW	7 SD []	If yes, descrii	
SM SC ML MHO CL		Li / Li yes, deserii	Bentonite □ 30
Bedrock 🗆		3. Surface scal:	Concrete 2 01
13. Sieve analysis performed?	□ No Ø		Other
14. Drilling method used: Rotary	□50	4. Material between	n well casing and protective pipe:
Hollow Stem Auger	1 1000		Bentonite 30
	7 🚉 🗶 I		Other 🗆
***************************************		5. Annular space s	
15. Drilling fiuid used: Water □ 02 Air	□ 01 ※		mud weight Bentonite-sand slurry 35
	ZZ 99	cLbs/gal	mud weight Bentonite slurry 2 31
			nite Bentonite-cement grout 50
16. Drilling additives used? ☐ Yes	□ No		volume added for any of the above
		f. How installed	·
Describe	I 👹	1	Tremie pumped 0 2
17. Source of water (attach analysis, if required)):		Gravity 🗆 08
		6. Bentonite seal:	a. Bentonite granules 33
	//	B. □1/4 in. □	3/8 in. □1/2 in. Bentonite chips 2 3 2
E. Bentonite seal, top ft. MSL or	ft.	🔛 / c	Other 🗆 🚃
F. Fine sand, top ft. MSL or	44'	7. Fine sand mater	ial: Manufacturer, product name & mesh size
	. 1	1 a OHIO.	
G. Filter pack, top ft, MSL or	45 1		6dfi ³
•	. ,		rial: Manufacturer, product name & mesh size
H. Screen joint, top ft. MSL or	4/_n.	OHIO \$	4
	Filmer	b. Volume adde	*****
I. Well bottom ft. MSL or	- UJ n.	9. Well casing:	Flush threaded PVC schedule 40 2 3
	· · · · · · · · · · · · · · · · · · ·		Flush threaded PVC schedule 80 24
J. Filter pack, bottom ft. MSL or	64 n.		Other 🗆 🚅
		10. Screen material	SCH 40 PYC
K. Borehole, bottom ft. MSL or	-6-4-A	a. Screen type:	Factory cut 2 11
•			Continuous slot □ 01
L. Borehole, diameter 2 _ in.	N. M. advantad	<u> </u>	Other 🗆 🔛
			MONOFIEX
M. O.D. well casing 2.38 in.		c. Slot size:	0. <u>0 / 6</u> in.
2 -		d. Slotted lengt	
N. I.D. well casing 2.0 in.		11. Backfill materia	I (below filter pack): None 14
		Annual Control of the	Other 🗆 🥸
I hereby certify that the information on this form		st of my knowledge.	According to the second
Signature Market Signature	Firm	-11 ×	,
- July Jant	Bodger	State Drilling,	wc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299. Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Waster	water [Waste Management
Remediation/Rede	evelopment	Other
Facility/Project Name	County Name	Well Name
Ross CITGO Facility License, Permit or Monitoring Number		dew-2
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry?	s 🗆 No	Before Development After Development 11. Depth to Water
2. Well development method		(from top of a. 52.0 ft. 224 ft.
surged with bailer and bailed	1	well casing)
surged with bailer and pumped		
surged with block and bailed 4		Date b. $\frac{\partial^2}{\partial x^2} \frac{\partial^2}{\partial y^2} $
	52	
	0	Time c. 7: 45 dam. 9:00 dam.
bailed only	20	Time C [] p.m.
55.5 MANAGEMENT (1997)	i 1	12. Sediment in well inches inches
	5.0	bottom
	_	13. Water clarity Clear 10 Clear 20
N. Control of the Con		Turbid 位 15 Turbid 位 25
3. Time spent developing well	5_min.	(Describe) (Describe)
/-0		MILKY BROWN
4. Depth of well (from top of well casisng) -42	ft.	Almost CLEAR
5. Inside diameter of well _2:	in.	LITLE CLOUDY
6. Volume of water in filter pack and well		
austum -	nal	Walter State of the Control of the C
	gal.	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well	gal.	The man state of the state of t
appara ustanti arron	. A G	14. Total suspended mg/l mg/l
8. Volume of water added (if any)	gal.	solids
9. Source of water added		15. COD mg/l mg/l
		16. Well developed by: Name (first, last) and Firm
10. Analysis performed on water added?	s 🗹 No	First Name: Last Name:
(If yes, attach results)		Firm Parkers Francisco As
17. Additional comments on development:		Firm: BODGER STATE DELLING CO.
17. Phothoral commons on acverophora.		*
		*
Name and Address of Facility Contact/Owner/Responsibl	e Party	I hereby certify that the above information is true and correct to the best
First Last		of my knowledge.
Name: Name:		M W/ /
Facility/Firm:	1	Signature:
Street:		Print Name: Mark Gaswick
City/State/Zip:		Firm: BS.D

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/F			West Madison Avenue, Milton, WI		Seymour	Proje	ect Number		License/Permit/Monitoring Number MW-3						
Boring D	Drilled	by	1 1		L_				1	Date Ir	stalled				
Badger	State	Alex	x Plummer) Seymour Environmental (Ro r WI Unique Well Number (assigned by DNR)	byn	Sey	mour)		02/23 Water			referen E	levation			
MW-3		Number	wi Onique wen Number (assigned by DINK)			Borehole Diameter 2-inch				~54	Level	31	inface is	ievation	
¼ of	f	1/4 of S	Section T N R		Grid Lo	catio	n (if applicabl	le)							
County	, I	Rock	County Code 54		(Civil T	own	Milton							
S A M P L	R E C O V E	D E P T H	SOIL/ROCK DESCRIPTION	W E L	D I A G R	S	R Q D	Stable O V M	S	Soil P	roper	ties		Blow Count	
Ē	R Y	(ft)		L	A M	s		(vppm)	1	w	LL	PL	P200		
1 2	20	5	Concrete Dark gray silty clay Brown sandy clay Black peat			CL PT		25						2, 3 5, 5	
2 2	20	10	Blue green silty clay			CL		25						6, 7 7, 7	
3 1	14	15	Brown gray f-m silty sand, hc odor			SM		<2000						5, 6 6, 5	
4		20	Dark gray f sand, slight silt			sw		1250							
5		25	Medium brown f sand, dense			sw		25							
			Hit water ~54 Blind drilled to 64												
Signatu	ıre 🖊	Cv b	yn Fyn			Firm	 : Se	ymour Env	viro	nmen	tal Se	rvice	s, Inc.		

State of Wisconsin Department of Natural Resources Route to: V	Vatershed/Wastewater Remediation/Redevelopment	Waste Mans		MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name BOBS CITED	Remediation/Redevelopment Local Grid Location of Well ft.	∃Ř.		Well Name MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin (estim	nated: 🗆) or		Wis. Unique Well No. DNR Well ID No.
•	Lat, "	Long	tr	
Facility ID	St. Plane ft. 1		ft. E. S/C/N	Date Well Installed 0212312011
	Section Location of Waste/So			m m d d y y y y
Type of Well	1/4 of1/4 of Sec		N, R #	Well Installed By: Name (first, last) and Firm
Well Code/	Location of Well Relative to		Gov. Lot Number	BADGER STATE DELLING CO.
Distance from Waste/ Enf. Stds.		☐ Sidegradient	GOV. LOT NUMBER	1 01 0
Sourceft. Apply	d Downgradient n	Not Known		Alex Plummer
A. Protective pipe, top elevation _ Eur	The state of the s		. Cap and lock?	Yes □ No
B. Well casing, top elevation	2"_n. MSL		a. Inside diameter	4
01-1-515	ft.MSL		b. Length:	_ /_ n.
C. Land surface elevation	IC WISL	2000000	c. Material:	Steel 🖾 04
D. Surface seal, bottom ft. MS	Lor ft.	· X	OT TYRUNOS AND	Other □
12. USCS classification of soil near screen	a: \$450V	A Comment	d. Additional pro	
GP □ GM □ GC □ GW □ S	SW 🗆 SP 🗆	11/	If yes, describ	
SM C SC ML MHC	T CH CH CH	11/		Bentonite □ 30
Bedrock			3. Surface scal:	Concrete D 01
13. Sieve analysis performed?	Yes □ No			Other 🗆
14. Drilling method used: Ro	tary □ 50	** 4	Material between	well casing and protective pipe:
Hollow Stem At	1 8000	***		Bentomite □ 30
	ther 🗆 🕮			Other 🗆
		88 - 4	. Annular space se	
15. Drilling fiuid used: Water □ 0 2	Air 🗆 01			nud weight Bentonite-sand slurry ☐ 35
Drilling Mud 🗆 0 3	None 199	88	cLbs/gal n	nud weight Bentonite slurry 31
				ite Bentonite-cement grout 50
16. Drilling additives used?	Yes □ No	***	e Ft	volume added for any of the above
n		×	f. How installed	
Describe				Tremie pumped 🛘 02
17. Source of water (attach analysis, if requ	iired):	**		Gravity 🗆 08
			5. Bentonite seal:	a. Bentonite granules [] 33
		**	b. □1/4 in. ☑	3/8 in. 1/2 in. Bentonite chips 2 32
E. Bentonite seal, top ft. MS	Lorft.		С	Other 🛘 🚟
F. Fine sand, topft. MS	Lor_ 45 ft.			al: Manufacturer, product name & mesh size
	/ \ [3]		a. 0410	40-60
G. Filter pack, top ft. MS	L or 46 ft.			1f ³
H. Screen joint, top ft. MS	10 48 A	- 関 / °	a. OHIO	ial: Manufacturer, product name & mesh size
ii. octobi John, top				£10.700.
I. Well bottomft. MS	Lor 63 ft 1		 b. Volume added b. Well casing: 	flush threaded PVC schedule 40 💆 23
1. Well bottom		3	. Wen casing:	
I. Filter pack, bottom ft. MS	Lor 64 ft.			Flush threaded PVC schedule 80 24 Other 2
		10	D. Screen material:	SCH 40 PYC
K. Borehole, bottom ft. MS	Lor64_ft.		a. Screen type:	Factory cut (1)
L. Borehole, diameter				Continuous slot 0 1
L. Borehole, diameter in.			h Manufacturer	MONOFLEX Other [
M. O.D. well easing 2.38 in.			c. Slot size:	0. 016 in.
•		/	d. Slotted length	: /5 A.
N. I.D. well casing _2_Q in.		11		(below filter pack): None 1 4
			Name of the state	Other 🗆 🧾
I hereby certify that the information on this	form is true and correct to the	best of my know	wledge.	
Signature /) Firm	1 -1		The second secon
authority	Boo	lger Sta	te Drillin	g. Ivc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chr. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Waster	water	Waste Management
Remediation/Rede	evelopment	Other
Facility/Project Name	County Name	Well Name
BUBS CITED		Mw-3
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number DNR Well ID Number
surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped	S □ No 11 51 42 52 70 20	Before Development After Development 11. Depth to Water (from top of well casing) Date b. 02/24/20/1 02/24/20/1 m m d d d y y y y m m d d d y y y y y Time c. 1: D.m. 10 D.m.
bailed only pumped only	20 10 51 50	12. Sediment in well inches inches bottom 13. Water clarity Clear [] 1 0 Clear [] 2 0
	min.	Turbid 15 Turbid 25 (Describe) (Describe) Mucy Brown Almost CLEAR
4. Depth of well (from top of well casisng)	2.5 ft.	CATTLE CLOUDY
5. Inside diameter of well 2	⊆_ iπ.	
	gal.	Fill in if drilling fluids were used and well is at solid waste facility: 14. Total suspended mg/l
	gal.	solids
9. Source of water added		15. COD mg/l mg/l
10. Analysis performed on water added? Ye (If yes, attach results)	es DE No	16. Well developed by: Name (first, last) and Firm First Name: Last Name: Firm: BFOSER SATE DRIVING CO.
17. Additional comments on development:		
Name and Address of Facility Contact /Owner/Responsible First Last Name: Name: Facility/Firm: Street:	le Party	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: Print Name: Mark Garwick
City/State/Zip:		Firm: BSD

NOTE: See instructions for more information including a list of county codes and well type codes.

BAD	GER S	STATI	E DRI	LLI	NC	C	O., INC.	FIFT D DODIE	WC 1 OC	She	et			Of_	工
STOUG FOR	MTON.	wisco	NSIN	0	*******	W.	43	- FIELD BORII	NG LUG	Job	No.	5	65	6	
LOCAT	ATION Milton WI Boring 1								ing N	0. /	YW-	4			
	OUN		hile drill	ing		-	561	Time after drilling				Sta	art 9	-6- 12	ZOU
1	ATER	R	efore cas	ing r	emov	al _		Depth to water				Un	it D	12	CIAA
	711-11	- A	ter casir	g rer	noval		561	Depth to cave-in				Ch	iet 1/4	DU	2001
elC .	ure	Blow San	rs on opler	elc eny	ows		100141 FISH D OL	LONGIO ATION AND DESIABLE	Casing/Probe		rth Th	Sic	Blow	vs on	מים
Sample No,	Molsture		<u> </u>	Sample Recovery	Total Blows		VISUAL FIELD CLA	ASSIFICATION AND REMARKS		15	Unconfined Strength	Boulders	δc .	Φ.	Drilling Method
		0/6	6/12	- 4	2	,	Rud Doll		Drop 30		50		Casing Size	Probe Size	12
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State of Wisconsin Department of Natural Resources Route to:	Watershed/Wastewater ☐ Remediation/Redevelopment☑	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	Remediation/Redevelopment Local Grid Location of Well	N DE	Well Name
Bob's Citco	r	SA DE.	MW.4
Facility License, Permit or Monitoring No.	Local Grid Origin (estima	ited: (1) or Well Location (1)	Wis. Unique Well No. DNR Well ID No.
	Lat,"I	ong.	VY661_
Facility ID	St. Plane ft. N.	ft. E. S/C/N	Date Well Installed 9/06/201/
secured parameter descripts described interests interested described repairment	Section Location of Waste/Sou	rce	
Type of Well	The state of the s	,TN,R	Well Installed By: Name (first, last) and Firm
Well Code/	Location of Well Relative to W		- Dob McCumbel
Distance from Waste/ Enf. Stds.		Sidegradient	BSD
Sourceft Apply	d Downgradient n []	Not Known	Par
A. Protective pipe, top elevation Flo	15h_ft.MSL	1. Cap and lock?	Yes □ No
B. Well casing, top elevation	Z n. MSL	2. Protective cover	
b. Well casing, top elevation		a. Inside diamete	
C. Land surface elevation	ft_MSL	b. Length:	
D. Surface seal, bottom ft. M	er	c. Material:	Steel pa 04
· · · · · · · · · · · · · · · · · · ·		J. 100	Other 🛚 🧘
12. USCS classification of soil near scree	1 7 731	d. Additional pro	olection?
GP GM GC GW S		If yes, describ	xe:
SM C SC C MLC MHC	ст п сн п	3, Surface scal:	Bentonite 30
Bedrock 🗆		3. Surface scal.	Concrete 01
13. Sieve analysis performed?	Yes 🗆 No	\	Other []
14. Drilling method used: Ro	ntary 🗆 50	4. Material between	n well casing and protective pipe:
Hollow Stem A	uger £ 41		Bentonite □ 30
	Other 🗖 🎎	Sa	Other II
		5. Annular space se	
15. Drilling fiuid used: Water [] 02	Air 🗆 01	I he/gal	mud weight Bentonite-sand slurry 35
Drilling Mud 🗆 0 3	None (2) 99		mud weight Bentonite slurry 31
			nite Bentonite-cement grout \(\sigma \) 50
16. Drilling additives used?	Yes 🗆 No	d % Bellion	3 volume added for any of the above
		KAN .	
Describe		f, How installed	
17. Source of water (attach analysis, if req	uired):		
		6. Bentonite seal:	Gravity № 08 a. Bentonite granules □ 33
		KCCCI	
E. Bentonite seal, top ft, MS	SI 07 - D - 0	В. СП/4 пл. у	3/8 in. 1/2 in. Bentonite chips 2 32
E. Bentomite scal, top it. wis	I	C	Other 🗆 🎇
F. Fine sand, top ft. MS	SL or _ 4/4_ft.	7. Fine sand materi	al: Manufacturer, product name & mesh size
r. rine said, up	1201 24 - 11	LUX /	O Chio
C File 6 MS	SL or _ 47_ft.	230	
G. Filter pack, top ft, MS	1.01 - 2.2 - 11		
H. Screen joint, top ft. MS	N = 49-4-		rial: Manufacturer, product name & mesh size
H. Screen joint, top ft. MS	in or		2.0 Ohio
* *** A 160	· / // 0	b. Volume adde	
I. Well bouom ft. MS	SLor_64_tt.	9. Well casing:	Flush threaded PVC schedule 40 23
	· /// *		Flush threaded PVC schedule 80 24
J. Filter pack, bottom ft. MS	iL or _ @7_Oit.		Other 🗆 🗎
		10. Screen material:	
K. Borehole, bottom ft. MS	Lor_67-61.	a. Screen type:	Factory cut 🕱 11
C			Continuous slot 01
L. Borehole, diameter		<u> </u>	Other 🗆
A 2		b. Manufacturer	Monotes
M. O.D. well easing 23 in.		c. Slot size:	0.QLQin.
33400 300 300 300 300 300 300 300 300 30		d. Slotted length	
N. I.D. well casing in.		11. Backfill material	(below filter pack): None 1 14
			Other 🗆 🌉
I hereby certify that the infognation on this	form is true and correct to the b	est of my knowledge.	
Signature V	Firm		
(all of the 1)		ger State Drilling	. TWC.
		ALL ALL CONTRACTOR	1

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewa	ter 🔲	Waste Management
Remediation/Redeve	elopment	Other
Facility/Project Name	County Name Rock	Well Name MW - U
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry? 2. Well development method surged with bailer and bailed surged with block and pumped surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other 3. Time spent developing well 4. Depth of well (from top of well casisng)		Before Development After Development 11. Depth to Water (from top of well casing) Date b. 69 08 70 0 09 70 70 70 70 70 70 70 70 70 70 70 70 70
5. Inside diameter of well	<u></u>	
6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any)	gal.	Fill in if drilling fluids were used and well is at solid waste facility: 14. Total suspended mg/l mg/l solids
9. Source of water added		15. COD mg/l mg/l
10. Analysis performed on water added? (If yes, attach results) 17. Additional comments on development:	□ No	16. Well developed by: Name (first, last) and Firm First Name: Robert Last Name: McCumber Firm: 355
17. Additional Commons of development.		
Name and Address of Facility Contact/Owner/Responsible I First Last Name: Name:	Party	I hereby certify that the above information is true and correct to the best of my knowledge.
Facility/Firm:	***************************************	Signature:
Street:		Print Name: Mark Garwick
City/State/Zip:		Firm: Badger State Drilling. Iwc.

NOTE: See instructions for more information including á list of county codes and well type codes.

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		Blow	rs on			***************************************	Deput (0 Cave III	Casing/Probe	711			Blow		1
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State of Wisconsin Department of Natural Resources Route to:	Watershed/Wastewater Remodiation/Redevelopment	Waste Management Other	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	Local Grid Location of Well	N 🗆 E.	Well Name MW -5
Facility License, Permit or Monitoring No.	Local Grid Origin [(estimat	ted: []) or Well Location [
Facility ID	Lat. L St. Planc ft. N,	ong ft. E. S/C/N	Day Well I and the
Type of Well	Section Location of Waste/Sour		Well Installed By: Name (first, last) and Firm
Well Code/	1/4 of1/4 of Sec Location of Well Relative to Wa		Boss Mc Cumbus
Distance from Waste/ Enf. Stds.	u 🗆 Upgradient s 🗆	Sidegradient	5250
Source ft. Apply	d Downgradient n 🗆	Not Known	Yes No
A. Protective pipe, top elevation 1	Lib ft MSL	2. Protective cover	1/
B. Well casing, top elevation	T. MSL	a. Inside diamet	
C. Land surface elevation	ft. MSL	b. Length:	_ <u>l</u> c_n.
D. Surface seal, bottom ft. M	Slar Un ft	c. Material:	Steel 04
12. USCS classification of soil near scree	No. of the last of	Additional	Other 🗆 🧠
	SW D SP D	d. Additional pu	A CONTRACTOR OF THE CONTRACTOR
SM SC ML MH	ст оно		Bentonite □ 30
Bedrock	🕷	3. Surface scal:	Concrete 01
	Yes No	`	Other 🗆
14. Drilling method used: Ro Hollow Stem A	tary 🗆 50	4. Material between	en well casing and protective pipe:
	Other D		Bentonite □ 3 0 Other □
		5. Annular space s	
15. Drilling fiuid used: Water [] 0 2	Air 01		mud weight Bentonite-sand slurry 35
Drilling Mud [] 03	None 🗆 99		mud weight Bentonite slurry 31
16. Drilling additives used?	Yes 🗆 No		mite Bentonite-cement grout [] 50
		ef. How installe	t 3 volume added for any of the above
Describe		1. How histanic	Tremie pumped 🛘 02
17. Source of water (attach analysis, if requ	uired):		Gravity 0 8
		6. Bentonite seal:	a. Bentonite granules [33
E. Bentonite seal, top ft. MS	SL or DOft.	/	Days in. □ 1/2 in. Bentonite chips □ 32 Other □
F. Fine sand, top ft. MS	iL or95_ft.	7. Fine sand mater	ial: Manufacturer, product name & mesh size
G. Filter pack, topft. MS	SL or _ 42 ft.	b. Volume add	sd
H. Screen joint, top ft. MS	iL or 9931.	8. Filter pack mate	rial: Manufacturer, product name & mesh size
f Wall barrow fr WS	stor 64.5 m.	b. Volume add	
		9. Well casing:	Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 24
J. Filter pack, bottom ft. MS		10. Screen material	Other 🗆 🎎
K. Borehole, bottom ft. MS	iLor_65_ft.	a. Screen type:	Factory cut 2 11
L. Borehole, diameter 8 in.			Other 🗆
M. O.D. well casing in.		b. Manufacture c. Slot size:	0. <u>O(Q</u> in.
N. I.D. well casing in.		d. Slotted lengt	l (below filter pack): None 14
I hereby certify that the information on this	form is true and correct to the L	est of my knowledge	Other 🗆 👑
Signature V	Firm A	cat of my knowledge.	
1 all tail	Bodg.	er State Drilling	[we

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 283, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopmen	nt Other
Facility/Project Name County 1	Name Well Name Ock Wis Unique Well Number LDNP Well ID Number
Facility License, Permit or Monitoring Number County	Code Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry? Yes Yes Well development method	No Before Development After Development 11. Depth to Water (from top of well casing) Before Development After Development a. 585 ft. 57 ft.
surged with bailer and bailed	Date b. $\frac{1}{m} \frac{9}{m} \frac{9}{d} \frac{7000}{y} \frac{9}{y} \frac$
bailed only	_
pumped only	12. Sediment in well _ S _ inches _ O _ inches
pumped slowly	bottom
Other	13. Water clarity Clear 1 10 Clear 20 Turbid 15 Turbid 25
3. Time spent developing well	Turbid 2 5 (Describe) (Describe)
4. Depth of well (from top of well casisng) _ 69.5ft.	
7.0	
5. Inside diameter of well in.	
6. Volume of water in filter pack and well casing gal	
	TEN 1- 16 4 MIL- G. 14
7. Volume of water removed from well	
8. Volume of water added (if any) gal.	14. Total suspended mg/l mg/l solids
9. Source of water added	
*	16. Well developed by Name (first, last) and Firm
10. Analysis performed on water added?	A IN SI A A A
(If yes, attach results)	Firm: [35]
17. Additional comments on development:	
	\$a . w
Name and Address of Facility Contact/Owner/Responsible Party	I hereby certify that the above information is true and correct to the best
First Last	of my knowledge.
Name: Name:	M M
Facility/Firm:	Signature:
Street:	Print Name: Nark Garwick
City/State/Zip:	Firm: Badger State Drilling, INC

NOTE: See instructions for more information including a list of county codes and well type codes.

BAD	GER S	STATI	E DRI	LLI	NG	CO., INC.	CICI D DODING	100	Shee	et		1	Of_	
STOUGHTON WISCONSIN FOR 15063 LiteO							FIELD BORING LOG				5	65	6	
LOCAT	TION I	Mil	ch		l	ジ エ	ELEV		Bor	ing N	0.	MW	-6)
	OUN	D W	hile drill	-			Time after drilling				Sta	an 9-	-7-2	2011
-	ATER	- Be	efore cas Iter casir				Depth to water Depth to cave-in	-			Un Ch			RINT
Φ	Đ.	Blow	rs on	r-	_			Casing/Probe	277	pe c		Blow	s on	
Sample No.	Moisture	0/6	6/12	Sample	Total Blows	BUND DOIL	SSIFICATION AND REMARKS	Weight 140 Drop 30	4	Unconfined Strength	Boulders	Casing Size	Probe Size	Drilling Method
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State of Wisconsin Department of Natural Resources Route to:	Vatershed/Wastewater	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	Remediation/Redevelopment		Well Name:
5053 Citco	Local Grid Location of Well	N	1"IMW-6
Facility License, Permit or Monitoring No.	Local Grid Origin [(estimat	ted: 🗌) or Well Location 🔲	Wis. Unique Well No. DNR Well ID No.
-	Lat "L	ong.	VY663_
Facility ID		ft. E. S/C/N	Date Well Installed 916 71 781
Marrie Service Street Street,	Section Location of Waste/Sour	roe	mmddyyyy
Type of Well	1/4 of1/4 of Sec	TN, R	Well Installed By: Name (first, last) and Firm
Well Code/	Location of Well Relative to W		Bos McComber
Sourceft. Apply []	u ☐ Upgradient s ☐ d ☐ Downgradient n ☐	Sidegradient Not Known	1351)
	5.6) ft MSL	1. Cap and lock?	(5) Yes □ No
	11	2. Protective cover	9 (
B. Well casing, top elevation	3 ft. MSL	a. Inside diamete	er: LCin.
C. Land surface elevation	ft. MSL	b. Length:	_(On.
D. Surface seal, bottom ft. MS	SLor 45 ft.	c. Material:	Steel B 04
12. USCS classification of soil near scree		d. Additional pr	Other U
GP GM GC GW S	1 7 73	114	xe:
SM SC ML MHO			Bentonite 30
Bedrock		3. Surface scal:	Concrete 01
	Yes 🗆 No		Other D
	tary □ 50	4. Material betwee	n well casing and protective pipe:
Hollow Stem Au			Bentonico 30
0	ther 🗆 🎎		Other 🗆 🎆
15. Drilling fluid used: Water [] 02	Air 🗆 01	5. Annular space s	eal: a. Granular/Chipped Bentonite [] 33 mud weight Bentonite-sand slurry [] 35
	None 🗆 99		mud weight Bentonite-sand slurry 35 mud weight Bentonite slurry 31
			nite Bentonite-cement grout 50
16. Drilling additives used?	Yes No	eFi	3 volume added for any of the above
Describe		f. How installed	Tremie 🗆 01
17. Source of water (attach analysis, if requ	nired).		Tremie pumped 0 02
17. Domos of White (automationally) is, if for	inca).		Gravity 08
		6. Bentonite seal:	a. Bentomite granules 33 3/8 in. 1/2 in. Bentonite chips 32
E. Bentonite seal, top ft. MS	Lor Z fl.	B / C	Other 🗆
			377.676
F. Fine sand, top ft. MS	Lor_5_ft.	7. Fine sand mater	al: Manufacturer, product name & mesh size
	Un	a Ottolo	#900
G. Filter pack, top ft. MS	CLor 7_2ft.	b. Volume adde	
H. Screen joint, top ft. MS	1-49.5	8. Filter pack mate	rial: Manufacturer, product name & mesh size
		Will /	
I. Well bottom ft. MS	Lor645 ft.	b. Volume adde	Flush threaded PVC schedule 40 2 3
			Flush threaded PVC schedule 80 🗆 24
J. Filter pack, bottom ft. MS	Lar 65 ft.		Other 🗆 🚇
	651	10. Screen material:	
	Lor_65_ft.	a. Screen type:	Factory cut 1
L. Borehole, diameter 80 in.		2	Continuous slot 01
_		b. Manufacturer	Mency Hov Other 1
M. O.D. well casing in.		c. Slot size:	o.Crcin.
		d. Slotted length	h: <u>73 ñ.</u>
N. I.D. well casing ZO in.		11. Backfill materia	(below filter pack): None 14
			Other 🗆 👑
I hereby certify that the information on this		est of my knowledge.	
Signature	Firm R	C21. 7 111.	c .
- January	Dad	ger State Drilling	, INC.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., faithre to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopment	Other
Facility/Project Name County Name	och Well Name Will -6
Facility License, Permit or Monitoring Number County Code	Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry?	Before Development After Development 11. Depth to Water
2. Well development method surged with bailer and bailed 4 1	(from top of a. 39 ft. 59 ft.
surged with bailer and pumped	Date $b = 0.00 + 0.00 = 0.00 $
surged with block and pumped surged with block, bailed and pumped compressed air 6 2 2 0	Time c. 2:p.m 7:3p.m.
bailed only	
pumped only	12. Sediment in well
pumped slowly	bottom
Other	13. Water clarity Clear 10 Clear 20 Turbid 15 Turbid 25
3. Time spent developing well	(Describe) (Describe)
4. Depth of well (from top of well casisng)ft.	
5. Inside diameter of well	
6. Volume of water in filter pack and well	
casing gal.	
7. Volume of water removed from well	Fill in if drilling fluids were used and well is at solid waste facility:
, volume of water forms and it is a second of the second o	14. Total suspended mg/l mg/l
8. Volume of water added (if any)	solids
9. Source of water added	15. COD mg/l mg/l
	16. Well developed by: Name (first, last) and Firm
10. Analysis performed on water added? Yes No	First Name: RM Last Name: McCumber
(If yes, attach results)	Firm: 73.50
17. Additional comments on development:	
	*
	*
Name and Address of Facility Contact/Owner/Responsible Party	
First Last	I hereby certify that the above information is true and correct to the best
Name: Name:	of my knowledge.
Facility/Firm:	Signature: Markaning
Street:	Print Name: Mark Garwick
City/State/Zip:	Firm: Badger State Drilling Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX B LABORATORY REPORTS

STOUGHTON, WISCONSIN FOR DODS CITCO				LLI	NC	C					Sheet			Of T			
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LOCA	TION Y	n:14	on	u	07	_	ELEV		Bor	ing N	0. /	4W-	4				
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			vs on npler	-				asing/Probe_Z	,11	9		Blow		Ī			
Sample No.	Molsture	San	npler	Sample	Total Blows		VISUAL FIELD CLASSIFICATION AND REMARKS	rop <u>30</u>	14	Unconfined Strength	Boulders	Casing Size	be	Drilling Method			
		0/6	6/12		۴		Bry Fine Sand to Silt	гор		2		Sizi Sizi	Probe	110			
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	Watershed/Wastewater Remediation/Redevelopment	Other	agement [MONITORING WI Form 4400-113A	ELL CONSTRUCTION Rev. 7-98
Facility/Project Name	Local Grid Location of Well	1 N		Well Name MW/- 4	
Bobb Citco Facility License, Permit or Monitoring No.	Local Grid Origin	15	Well Location	Wis, Unique Well N	Io. DNR Well ID No.
I acting the many a miner or an authoring 1.0.	Lat,	Long.	or	VY661_	-
Facility ID	St. Planoft. N	,	ft. E. S/C/N	Date Well Installed	21061-7011
Type of Well	Section Location of Waste/Sou		N.R. BW	WellInstalled By:	Name (first, last) and Firm
Well Code/	1/4 of1/4 of Sec.	,T	N, R	Bob Ma	umber_
Distance from Waste/ Enf. Stds.		Sidegradient		BSD	
Sourcen Apply [d Downgradient n 🗆	Not Known		Dan	
A. Protective pipe, top elevation Flo	Sh_fLMSL		1. Cap and lock?		Ŋ Yes □ No
	Z_n.MSL	コトラン [*]	2. Protective cover p	•	96 in.
2.	· I		a. Inside diameter b. Length:	r:	
C. Land surface elevation	ft. MSL	222300	c. Material:		Steel [3] 04
D. Surface seal, bottom ft. MS	SLor ft.	LY SE	C. Wantiar		Other 🗆 🚉
12. USCS classification of soil near scree	No. 27/2-137-4	A Section 1	d. Additional pro	tection?	☐ Yes ☐ No
GP GM GC GW S	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			*:	···
SM C SC C MLC MHC	CT CH CH CH		<u> </u>		Bentonite [] 30
Bedrock 🗆			3. Surface scal:		Concrete 7 01
13. Sieve analysis performed?	Yes 🗆 No	N			_ Other 🗖 🧱
	tary 🗆 50	- (2)	 Material between 	well casing and prot	ective pipe:
Hollow Stem As				1	Bentonite 🗆 30
	ther 🗆 💢		<u> </u>	id	Other 🗷 🚆
15. Drilling fiuid used: Water [] 0 2	Air 🗆 01		5. Annular space sc	al: a. Granular/Ch	ipped Bentonite 33
	None (d 99			and weight Bento	
				nud weight B ite Bentoni	
16. Drilling additives used?	Yes □ No			volume added for a	
			f. How installed:		Tremie 1 01
Describe	 		I. HOW HISTALICU.		remie pumped 🗆 02
17. Source of water (attach analysis, if requ	ıired):				Gravity 🖾 08
			6. Bentonite scal:	a. Ben	itumite granules 📙 33
			ь. 🗆 1/4 in. 💆	3/8 in. 1/2 in.	Bentonite chips 🛭 32
E. Bentonite seal, topft, MS			C		_ Other □
F. Fine sand, top ft. MS	LorLe_iL			d: Manufacturer, pro	oduct name & mesh size
G. Filter pack, top ft, MS	Lor_17_ft		b. Volume added	l	_ft ³
H. Screen joint, top ft. MS	1 - 49-1	関う			oduct name & mesh size
H. Screen Joint, top It. 1915	Lor			D.O Ched	
I. Well bottom ft. MS	Lor /24~0~	31	 b. Volume added 9. Well casing: 	Flush threaded PV0	_ ពេ Cischedule 40 💆 23
1. Well commit	[權	3 2	o, wen casing.	Flush threaded PV	
J. Filter pack, bottom fr. MS	Lor 646th				Other 🛚
			0. Screen material:	Seh 40 P	16
K. Borchole, bottom ft. MS	Lor_67_61		a. Screen type:		Factory cut 💢 11
L. Borehole, diameter				C	continuous slot 🔲 01
L. Borehole, diameter in.			b. Manufacturer	War Hal	_ Other 🛘 🚆
M. O.D. well easing 2.3 in.			c. Slot size:	TA 10 XIO FIELD	O.QLQin.
the contracting in.		\	d. Slotted length	:	
N. I.D. well casing _2_ in.		1		(below filter pack):	None 14
4146 mg and and and and and and and and and and		•		, and hearth.	Other 🗆 🔡
I hereby certify that the information on this	form is true and correct to the l	est of my kno	wledge.		
Signature V	Firm		_		100 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 all ten	Bad	ger Stat	e Drilling.	, INC.	

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chr. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewate	er 🔲	Waste Management
Remediation/Redevel	opment 🔼	Other
Facility/Project Name (Carlo)	Rock	Well Name WW - 4
Facility License, Permit or Monitoring Number Co	ounty Code	Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry? 2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly	□ No	Before Development After Development 11. Depth to Water (from top of well casing) Date b. 00 tt. 585 ft. Date b. 00 tt. 585 ft. Date c. 6: 30 a.m. Time c. 6: 30 a.m. 12. Sediment in well bottom
Other 3. Time spent developing well	Dain.	13. Water clarity Clear 1 0 Clear 2 0 Turbid 15 Turbid 5 2 5 (Describe) (Describe)
4. Depth of well (from top of well casisng)	Q _{ft.}	
5. Inside diameter of well) in.	
6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any) 9. Source of water added	gal. gal.	Fill in if drilling fluids were used and well is at solid waste facility: 14. Total suspended mg/l mg/l solids 15. COD mg/l mg/l
·		16. Well developed by: Name (first, last) and Firm
10. Analysis performed on water added? Yes (If yes, attach results)	□ No	First Name: Robert Last Name: McCumber Firm: BS Sobert
17. Additional comments on development:	:	
Name and Address of Facility Contact/Owner/Responsible Pa	atty	I hereby certify that the above information is true and correct to the best
First Last Name:Name:		of my knowledge.
Facility/Fim:		Signature: Quille Comment of the Com
Street:		Print Name: Mark Lacwick
City/State/Zip:		Firm: Badger Starte Drilling. Iwc.

NOTE: See instructions for more information including á list of county codes and well type codes.

BAD	GER S	TATE	DRI	LLI	NC	CC	, INC.	Shee	et		l	Of_	1
STOUC FOR	HTON,	wisco	NSIN	0		***************************************	FIELD BORING LOG	Job No. <u>@ 5650</u>					
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		- A	ter casir	ig ren			Depth to cave-in	11		Cn	iel K. Blow	12/1/2)	
<u>a</u>	Molsture	Blow San	s on pler		Total Blows		VISUAL FIELD CLASSIFICATION AND REMARKS Casing/Prob	cus	Unconfined Strength	ders	J.O.	301	gul
Sample No.				Sample Recovery	otal		70 3d	77	Jncor	Boulders	Casing Size	Probe Size	Drilling Method
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State of Wisconsia Department of Natural Resources Route to:	Vatershed/Wastewater Remediation/Redevelopment	Waste Management	MONITORING WELL Form 4400-113A	L CONSTRUCTION Rev. 7-98
Facility/Project Name	Local Grid Location of Well	Y. DB.	Well Name WW-5	
Facility License, Permit or Monitoring No.	Local Grid Origin (estimate		Wis Unique Well No.	DNR Well ID No.
Facility ID	St. Planoft. N, Section Location of Waste/Source	ft.E. S/C/N		07.2011
Type of Well Well Code/	1/4 of1/4 of Sec,	tn,r 🖁 🤻	Well Installed By: Nau Ress Wal	me (first, last) and Firm
Distance from Waste/ Enf. Stds. Source ft. Apply	Location of Well Relative to Wa u Upgradient s d Downgradient n	Sidegradient	357)
A. Protective pipe, top elevation	四日 - R MSL	1. Cap and lock?		Yes No
B. Well casing, top elevation	T. n. MSL	2. Protective cover a. Inside diamete	• •	_9,_in.
C. Land surface elevation	n.msl	b. Length:		_ <u>l</u> n.
D. Surface seal, bottom ft. MS	1 or 45 ft 300	c. Material:		Steel 1 0-4
12. USCS classification of soil near screen	1 1 2 2 2 2 2 2 1		-17	Other 🗆 🚆
GP GM GC OW S		d. Additional pro		☐ Yes ☐ No
SM C SC C MLC MHC C		M / / .	~	Bentonite 🛘 30
Bedrock		3. Surface scal:		Concrete 01
	(es □ No	× \		Other 🛘 💮
1	ary 🗆 5 0	4. Material between	n well casing and protecti	ve pipe:
Hollow Stem Au	lger [] 41			Bentonite 30
		X	- C1(OL)	Other 🗆 🚆
15. Drilling fiuid used: Water [] 02	Air 🗆 01	5. Annular space se	nud weight Bentonite	ed Bentonite 17 33
Drilling Mud □ 03 1	ĭone 🗆 99		nud weight Bentomte nud weight Bento	
16. Drilling additives used?	(es 🗆 No	d % Bentor	nite Bentonite-c	ement grout [] 50
<u> </u>		YY4	3 volume added for any c	
Describe		f. How installed		Tremie [] 01
17. Source of water (attach analysis, if requ	ired):		1100	Gravity 108
<u></u>		6. Bentonite seal:	a. Benton	Gravity 8 0 8
	100	85. □1/4 in. □	B/8 in □1/2 in. Ben	tonite chips 5 32
E. Bentonite seal, topft. MSI		7 Financia	- 1. Marie 1.	Other 🗆 🎇
F. Fine sand, top ft MS	ror 707 tr	OHTO	al: Manufacturer, product # 4000	et name & mesh size
G. Filter pack, top ft. MSI	or_42n.	b. Volume added	1_47_n	3
H. Screen joint, top ft. MSI	or 995n	8. Filter pack mater	ial: Manufacturer, produ	ot name & mesh size
I. Well bottom ft. MSI	.or 64.5n.	b. Volume added 9. Well casing:	Flush threaded PVC sci	hedule 40-15 23
J. Filter pack, bottom ft. MSI	or 65 n		Flush threaded PVC sol	hedule 80 🔲 24
K. Borehole, bottom	or_65_ft.	10. Screen material: a. Screen type:	<u>5ch 40 PV (</u>	Factory cut of 11
L. Borehole, diameter in.		<u> </u>	Conti	Other 🗆
M. O.D. well casing in.		b. Manufacturer c. Slot size:	Monotlex	0. <u>O(Qi</u> n.
N. I.D. well casing in.		d. Slotted length		
				Other 🗆 🔠
I hereby certify that the information on this f		t of my knowledge.		
Signature Q. T.	Badge	State Drilling 1		

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Waster	water [Waste Management			
Remediation/Rede	evelopment 🔀	Other	·····		
Facility/Project Name	County Name Rock		Well Name W	W-5	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well N	umber	DNR Well II	O Number
surged with baller and pumped surged with block and balled surged with block and pumped surged with block, balled and pumped compressed air balled only	11 11 12 12 10 10	11. Depth to Water (from top of well casing) Date Time	2 58. b. D. 9/0 c. 7:30	5_ft. 5 70 (7 y y y) 2 a.m.	After Development $ \underbrace{57}_{\text{min}} = \text{ft.} $ $ \underbrace{69}_{\text{min}} \underbrace{08}_{\text{ddyyyyy}} \underbrace{000}_{\text{p.m.}} $ $ \underbrace{600}_{\text{p.m.}} \underbrace{000}_{\text{p.m.}} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $ $ \underbrace{000}_{\text{min}} = \text{m.} $
	51 50	bottom 13. Water clarity	Clear []1		car 20
3. Time spent developing well	<u> </u>		Turbid 1 (Describe)		urbid 2 2 5 escribe)
4. Depth of well (from top of well casisng) $\frac{69}{2}$.5ft.				
5. Inside diameter of well	in.				
6. Volume of water in filter pack and well casing	gal.				
7. Volume of water removed from well) gal.	Fill in if drilling fluid			and waste facility:
8. Volume of water added (if any)	gal.	solids			
9. Source of water added		15. COD			mg/l
10. Analysis performed on water added? (If yes, attach results)	s 🗆 No	16. Well developed b	Name (first,) Sober	last) and Firm Last Name:	McCumber
17. Additional comments on development:					
		·			
Name and Address of Facility Contact/Owner/Responsibl First Last Name: Name:	e Party	of my knowledge.	at the above in	formation is tr	ue and correct to the best
Facility/Firm:		Signature:	(and)	and	<u> </u>
Street:		Print Name:	ock oa	rwick	
City/State/Zip:		Firm: DO	idge/ St	ate Uri	lling, IN.

NOTE: See instructions for more information including a list of county codes and well type codes.

BADGER STATE DRILLING CO., INC.										Sheet Of							
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State of Wisconsia Department of Natural Resources Route to:	Watershed/Wastewater Remediation/Redevelopment	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	Remediation/Redevelopment Local Grid Location of Well ft.	INRE.	Well Name - 6
Facility License, Permit or Monitoring No.	Local Grid Origin (estima	ated: (1) or Well Location (1) Long. (2)	
Facility ID	St. Planeft. N Section Location of Waste/Sou	ft. E. S/C/N	Date Well Installed 9/07/201/
Type of Well Code /	1/4 of1/4 of Sec.	TN.R	Well Installed By: Name (first, last) and Piro
Distance from Waste/ Enf. Stds.		Sidegradient	BSD
	d Downgradient n D	1. Cap and lock?	Yes No
B. Well casing, top elevation	3"_n. MSL	2. Protective cover a. Inside diamet	1/ 1
C. Land surface elevation	n. MSL	b. Length: c. Material:	Steel D 0 4
D. Surface seal, bottom ft. M			Other 🗆 💮 Total Control of the role of t
12. USCS classification of soil near screen	SW 🗆 SP 🗆	d. Additional po	be:
SM SC ML MH Bedrock	Cr 🗆 CH 🗆	3. Surface scal:	Bentonite 🔲 30
The state of the s	Yes No		Concrete 0 1
	otary 🗆 5 0	4. Material between	n well casing and protective pipe:
Hollow Stem A	ugar 🗆 41		Bentonic 30
		5. Annular space :	cal: a. Granular/Chipped Hentonite [7] 33
15. Drilling fluid used: Water Drilling Mud 0 2	Air □ 01		mud weight. Bentonite-sand slurry 35
		cLbs/gai	mud weight Bentonite slurry \(\begin{array}{cccccccccccccccccccccccccccccccccccc
16. Drilling additives used?	Yes 🗆 No	6F	1 3 volume added for any of the above
Describe		f. How installe	d: Tremie 🗆 0 1 Tremie pumped 🗆 0 2
17. Source of water (attach analysis, if rec	uired):		Gravity 08
L.		6. Bentonite seal:	a. Bentomite granules ☐ 33 3/8 in ☐ 1/2 in. Bentonite chips ☐ 32
E. Bentonite seal, topft. M	· · · · · · · · · · · · · · · · · · ·	/	Other 🗆 📜
	SLor_95_ft.	7. Fine sand mater	rial: Manufacturer, product name & mesh size
G. Filter pack, top ft. M	SL or 42_A	b. Volume add	cd 17 f13
H. Screen joint, top ft. M	SL or 49.5 ft.	8. Filter pack mate	erial: Manufacturer, product name & mosh size
	SL 01645 A.	b. Volume add	edft ³
		9. Well casing:	Flush threaded PVC schedule 40 2 3 Flush threaded PVC schedule 80 2 24
	SL or 65 ft.		Other 🗆 💹
	SL or _65_ft	10. Screen material a. Screen type:	Factory cut 1
L. Borehole, diameter 80 in.			Continuous slot 0 i
M. O.D. well casing in.		b. Manufacture c. Slot size:	O.C. Cin.
N. I.D. well casing 20 in.		d. Slotted leng 11. Backfill materi	al (below filter pack): None 14
I hereby certify that the information on thi	s form is true and correct to the	best of my knowledge.	Other 🗆
Signaturo	Firm O	,	C
	$\underline{\hspace{1cm}}$	ger State Drilling	INC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureaut. Completion of these reports is required by chr. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., faiture to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management
Remediation/Redevelopment	Other
Facility/Project Name County Name	och Well Name W-6
Facility License, Permit or Monitoring Number County Code	Wis. Unique Well Number DNR Well ID Number
1. Can this well be purged dry? 2. Well development method	Before Development After Development 11. Depth to Water (from top of well casing) Before Development After Development ft.
surged with bailer and bailed 4 1 surged with bailer and pumped 5 6 1 surged with block and bailed 4 2 surged with block and pumped 5 6 2 surged with block, bailed and pumped 5 0 2 0	Date by $\frac{0.09}{0.00}$ $\frac{0.00}{0.00}$ $0.$
bailed only	12. Sediment in well
Other	13. Water clarity Clear 10 Clear 20
3. Time spent developing well	Turbid 7-1.5 Turbid 7-2.5 (Describe) (Describe)
4. Depth of well (from top of well easising)ft.	
5. Inside diameter of well	
6. Volume of water in filter pack and well casing gal. 7. Volume of water removed from well Gal.	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well	14. Total suspended mg/l mg/l solids
9. Source of water added	15. COD mg/l mg/l
9. Source of water added	
10. Analysis performed on water added? Yes No (If yes, attach results)	16. Well developed by: Name (first, last) and Firm First Name: R. M. Last Name: McCumber Firm: 13.50
17. Additional comments on development:	
Name and Address of Facility Contact/Owner/Responsible Party	I hereby certify that the above information is true and correct to the best
First Last Name: Name:	of my knowledge.
Facility/Firm:	Signature: Marwing
Street:	Print Name: Mark Garwick
City/State/Zip:	Firm: Badger State Drilling, INC.

NOTE: See instructions for more information including a list of county codes and well type codes.

BAD	GER	STATI	E DR	ILLI	NG	CO., INC. FIELD BORING LOG	Sh	eet		/	Of_	/	==
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Sample No.	Moisture	San	npler	Sample	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS Weight	~	Unconfined	Boulders	T	П	Drilling Method	
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	Watershed/Wastewater Remediation/Redevelopment	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98						
Facility/Project Name	Local Grid Location of Well		Well Name						
BOBSCITCS MITTON, WI	ir []	S	MW-7						
Facility License, Permit or Monitoring No.	Local Grid Origin (estimat	ted:) or Well Location	Wis. Unique Well No. DNR Well ID No.						
E-W- ID	Lat, L	William Control of the Control of th	Data Well Installed						
Facility ID		ft. E. S/C/N	Date Well Installed 012012013						
Type of Well	Section Location of Waste/Sour	m m d d y y y y Well Installed By: Name (first, last) and Firm							
Well Code /	1/4 of1/4 of Sec		BADGER STATE CRILLIUL CO.						
Distance from Waste/ Enf. Stds.	Location of Well Relative to Ward u Upgradient s	aste/Source Gov. Lot Number Sidegradient							
Sourceft. Apply	d Downgradient n	The Discourage of the Control of the							
	USH_ft.MSL	1. Cap and lock?	Yes No						
- ALM 1994 ED	3" ft. MSL	2. Protective cover	pipe:						
B. Well casing, top elevation	S IL MSL	a. Inside diamete	= 2 in.						
C. Land surface elevation	ft. MSL	b. Length:	n.						
	with the same of	c. Material:	Steel 🗗 04						
D. Surface seal, bottom ft. MS	K-SACATA		Other 🗆 🧼						
12. USCS classification of soil near scree	[4]	d. Additional pro							
GP GM GC GW S	SW C SP C	If yes, describ	e:						
Bedrock []		3. Surface scal:	Bentonite 30 Concrete 01						
13. Sieve analysis performed?	Yes □ No		Access.						
	1 120	4 Material between	well casing and protective pipe:						
14. Drilling method used: Ro Hollow Stem Ar	tary 0 50	4. Waterial Detween	Bentonite 30						
	Other 🗆 💮		Other 🗆						
***************************************		5. Annular space se							
15. Drilling fluid used: Water [] 0 2	Air 🗆 01	L Lhe/gal r	nud weight Bentonite-sand slurry 1 35						
Drilling Mud □ 0 3	None 🗹 99		nud weight Bentonite slurry 31						
			ite Bentonite-cement grout 5 0						
16. Drilling additives used?	Yes 🗹 No	e. 15.4 Ft	volume added for any of the above						
Describe		f. How installed	Tremie 🗆 01						
Describe	uired):		Tremie pumped 🛛 02						
17. Source of water (autacit affairysts, if requ	inted).		Gravity Q 08						
		6. Bentonite seal:	a. Bentonite granules 33						
77	1'0	b. L1/4 in. L	3/8 in. \Box 1/2 in. Bentonite chips \Box 32						
E. Bentonite seal, top ft. MS	L or IL	C.——	Other 🗆 🚃						
F. Fine sand, top ft. MS	SLor 52 ft.	7. Fine sand materia	al: Manufacturer, product name & mesh size						
	/ Juil	1 a RED ELVI	WT-415						
G. Filter pack, top ft. MS	SL or 54 ft.	b. Volume added							
		Market Section Control of the Contro	ial: Manufacturer, product name & mesh size						
H. Screen joint, top ft. MS	Lor 36 ft.	02106	5						
	, Kalman	b. Volume adde	3 5,74 ft ³						
I. Well bottom ft. MS	SL or 71 ft.	9. Well casing:	Flush threaded PVC schedule 40 🗹 23						
	731		Flush threaded PVC schedule 80 24						
J. Filter pack, bottomft. MS	Lorft.		Other 🗆 🚃						
	SLor_73_ft.		SCH 46 Prc						
K. Borehole, bottom ft. MS	L or IL	a. Screen type:	Factory cut 2 11						
9.6			Continuous slot 01						
L. Borehole, diameter Z, O in.		1	Other 🗆						
M. O.D. well casing 2/38 in.		The second secon	Mororita 0.010 in						
M. O.D. well casing in.		c. Slot size: d. Slotted length							
N. I.D. well casing2.0 in.		11. Backfill material							
N. I.D. well casing in.		11. Dackini matchai	Other						
I hereby certify that the information on this	form is true and correct to the h	est of my knowledge.	999						
Signature /	Firm								
/ al Warmen) Ba	doer State Drill.	no Inc.						

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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W	ATER	•	ter casir			Depth to water Depth to cave-in		W. S. 1977		Ct	nit	le g	P
	Q		rs on				Casing/Probe		ъ			vs on	
Sample No.	Moisture	0/6	6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Weight		Unconfined Strength	Boulders	Casing Size	Probe Size	Drilling
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BAD	GER S	STATI	E DRI	LLI	NC	G (O., INC.	Shee	et		X	Of_	2
STOUG	HTON,	WISCO	ONSIN	-	Low		FIELD BORING LOG	Job	No.	60	980	ô	
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W	ATER		efore cas fter casir				Depth to water 600 6	0410)	Ur Ch		2.6	8
<u>o</u>	ē	Blov	vs on npler		_	Γ	Casing/Pro	obe	D .			s on	
Sample No.	Moisture			Sample Recovery	Total Blows		VISUAL FIELD CLASSIFICATION AND REMARKS Weight		Unconfined Strength	Boulders	Bu .	Φ .	Drilling Method
		0/6	6/12	-	۲		Drop		5%	8	Casing Size	Probe Size	
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						_	Set well & 74.0 Sereen Silver 570	30					
						=	5) Filter 570						
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						Ξ	3 Ch. p 1.5	E					
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	Sey	mour	6086
-	Watershed/Wastewater Remediation/Redevelopment	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name	I 10111 . CXX X		Well Name
Facility License, Permit or Monitoring No.	Local Grid Location of Well ft. Local Grid Origin (estimated)	N. D. Ft. DW.	Wis. Unique Well No. DNR Well ID No.
Mi Hou, wi	Lat.	Long.	or
Facility ID	St. Planeft. N	ft. E. S/C/N	
Type of Well	Section Location of Waste/Sou	LIF	well Installed By: Name (first, last) and Firm
Well Code/	1/4 of1/4 of Sec. Location of Well Relative to V	Vaste/Source Gov. Lot Number	* flymer
Distance from Waste/ Enf. Stds. Sourceft. Apply	u Upgradient s d Downgradient n	Sidegradient	Budger
A. Protective pipe, top elevation	a ft. MSL	1. Cap and lock?	Yes No
B. Well casing, top elevation	n. MSL	2. Protective cove	
MONEY TO A MANUAL OF LIGHT CANADA	ft. MSL	a. Inside diamet	er:
		c. Material:	Steel 104
D. Surface seal, bottom ft. MS 12. USCS classification of soil near scree.	NEW AND ASSESSMENT	d. Additional p	Other William Total Yes No
	SW 🗆 SP 🗆	If yes, descri	
SM SC ML MH C	ст 🗆 Сн 🗆	3, Surface scal:	Bentonite 30
	Yes □ No	3. Suitate sea.	Concrete 01
A 15.	tary 50	4. Material between	en well casing and protective pipe:
Hollow Stem At	nger 1 41		Bentonite □ 30
o	ther 🗆 🍔		Other a. Granular/Chipped Bentonite 3 3
15. Drilling fiuid used: Water □ 0 2	Air □ 01	5. Annular space :	mud weight Bentonite-sand slurry 35
Drilling Mud 🗆 0 3	None 🗆 99	cLbs/gal	mud weight Bentonite slurry 31
16. Drilling additives used?	Yes □ No		onite Bentonite-cement grout \(\Pi \) 50
B		f. How installe	
Describe	uired):		Tremie pumped □ 02
17. Boulou of Water (access analysis, is requ	inoa).	6. Bentonite seal:	Gravity № 08 a. Bentonite granules □ 33
	7:	KXX	3/8 in. □1/2 in. Bentonite chips □ 32
E. Bentonite seal, top ft. MS	Lor _ /1 > ft.	/ c	Other 🗆 🏬
F. Fine sand, top ft. MS	SL or 56 ft.	7. Fine sand mate	rial: Manufacturer, product name & mesh size
		1 / a Keel	F), NA 18
G. Filter pack, top ft. MS	SL or S. T. ft.	b. Volume add	edft ³ erial: Manufacturer, product name & mesh size
H. Screen joint, top ft. MS	Lor 59_ft.	a. O h	8 #5
0.150	740	b. Volume add	
I. Well bottom ft. MS	Lor Hills.	9. Well casing:	Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 24
J. Filter pack, bottom ft. MS	SL or FHS ft.		Other 🗆 🏬
K. Borehole, bottom ft. MS	745	10. Screen materia	1
K. Borchole, bottom ft. MS	Lor_L_LJIL	a. Screen type	Factory cut 11 Continuous slot 0 1
L. Borehole, diameter in.			Other 🗆
M. O.D. well casing		b. Manufacture c. Slot size:	or prisonotes offin.
Security and account and participation of the control of the contr		d. Slotted leng	th: 4.5. n.
N. I.D. well casingOin.			al (below filter pack): None 14 Other
I hereby certify that the information on this		best of my knowledge.	- Ya
Signature	Firm R	Lose State Daill	Sex Tolo

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be

BAD	GER :	STAT	E DR	ILLI	NG	CC)., INC.	She	et			Of_	
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	OUN	18	/hile drill				CoC Time after drilling			COLUMN TWO IS NOT THE OWNER.	art B	22-	13
	ATER	— B	efore cas			al _	Depth to water			Ur		1,7C	;
1	N a wa	- A	fter casi	ng ren			Depth to cave-in			Ch	ief	CIP	<u> </u>
Sample No.	Moisture		vs on opler 6/12	Sample Recovery	Total Blows		VISUAL FIELD CLASSIFICATION AND REMARKS Casing/Probe Weight Drop		Unconfined Strength	Boulders	Casing Size g	Probe uo sa	Drilling Method
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	26	ymou!		acce		
	Watershed/Wastewater Remediation/Redevelopment	Waste Mana ☐ Other ☐	ngement [MONITORING WELL Form 4400-113A	CONSTRUC Rev. 7-98	CTION
Facility/Project Name	Local Grid Location of Well		ПВ	Well Name		-
1 steps	ft_	N		111w-9	1	
Facility License, Permit or Monitoring No.	Local Grid Origin (esti	mated: 🗆) or	Well Location or		DNR Well ID	No.
Facility ID		. N,	ft. E. S/C/N	Date Well Installed	22/3	
	Section Location of Waste/S		*			V Y
Type of Well	1/4 of 1/4 of Se	ж, ,Т.	N.R.	Well Installed By: Nac	fe (first, last) ar	nd Firm
Well Code/_	Location of Well Relative to		Gov. Lot Number	7300	-11110-0	
Distance from Waste/ Enf. Stds.	1 - 10	☐ Sidegradient		Kreden		
Source ft. Apply	d Downgradient n		C 11.10	- Lovery.	A. V	- NI-
A. Protective pipe, top elevation	of Aft. MSL		. Cap and lock? . Protective cover p	e seek the	Yes [140
B. Well casing, top elevation	ft. MSL		a. Inside diameter		9	in
######################################	C MCI		b. Length:	· and and and	7	- ft.
C. Land surface elevation	ft. MSL	200000	c. Material:		Steel	-84
D. Surface seal, bottom ft. M	SL or ft. 9	.X	J. 17207721011		Other 🗆	
12. USCS classification of soil near scree	n:	1 Assessment	d. Additional pro	lection?	☐ Yes ☐	No
GP GM GC GW G	SW SP		If yes, describe			
	CL 🗆 CH 🗆				Bentonite 🛘	30
Bedrock			3. Surface scal:		Concrete	_01
13. Sieve analysis performed?	Yes □ No			V-	Other 🗆	
14. Drilling method used: Ro	otary 050	3 🐼 4	 Material between 	well casing and protective	ve pipe:	218.111
Hollow Stem A	300000				Bentonite	
o	Other 🗆 🏬 📗		6		Other 🗆	5665466-
		3 100-	5. Annular space se			
15. Drilling fiuid used: Water □ 0 2 Drilling Mud □ 0 3	Air 01			nud weight Bentonite		
Diming Man [] () 3	None 99			nud weight Bente		
16. Drilling additives used?	Yes □ No	3 🔉		ite Bentonite-c		50
		8 8	* Committee of the Comm	volume added for any o		1 01
Describe			f. How installed		□ Tremie □ nie pumped	
17. Source of water (attach analysis, if req	uired):	8 8		Hon	Gravity M	. 20
			6. Bentonite seal:	a. Benton	ite granules	
		a 🚳 `	Commence of the second second second second	3445	ntonite chips	
E. Bentonite seal, topft. MS			с	-	Other 🛘	1 🌉
F. Fine sand, top ft. MS	SL or S/GA.		7. Fine sand materia	Manufacturer, produ	ct name & mes	sh size
			a. O. K	ed Flit	上井与	
G. Filter pack, top ft. MS	SL or 520ft.		b. Volume added	1 . 3 ft	3	
• • • • • • • • • • • • • • • • • • • •	411			ial: Manufacturer, produ	ict name & me	sh size
H. Screen joint, top ft. MS	SL or 272 ft.		a Offic) # 5		
	1.00		b. Volume added		3	
I. Well bottom ft. MS	SL or Q7 of ft.		9. Well casing:	Flush threaded PVC so		50 NO. OF
	70			Flush threaded PVC so		
J. Filter pack, bottom ft. MS	SL or _ T ft.		,,,,	11110	Other 🗆	
	72)	10	0. Screen material:	Sch 40	Puc.	
K. Borehole, bottom ft. MS	SL or _ TO_ft.		a. Screen type:		Factory cut	-
L. Borehole, diameter in.		3		Cont	inuous slot	
L. Borehole, diameter in.				manables	Other 🗆] 🚃
M. O.D. well casing 238 m.			b. Manufacturer	11www T	- 0	10:
M. O.D. well casing m.			c. Slot size: d. Slotted length		T	Tf.
N. I.D. well casing 20 in.		1		(below filter pack):	None	14
N. I.D. well casing in.		1	I. Dackini matchai	(nerow muci back).	Other \square	
I hereby certify that the information on this	s form is true and correct to the	he best of my kno	wledge			00,000
Signature /	Firm	A				50°C - 15°C
		Sadoor S	State Dri	Ilino ING		

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Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be

BADO	GER S	STATI	E DRI	ILLI	NC	CC	D., INC.	She	et			Of_	
STOUGI FOR (WISCO	NSIN				Seymour	Job	No.	a	200	è	
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	DUN	ט פ	efore cas		emov	al _	Depth to water			Ur		9	1/
VVP	HER	- A:	fter casir	ng ren	noval	_	Depth to cave-in			Ch	ief <u>K</u>	iV	
9	are		rs on apler	95	SWC		Casing/Probe_		p _e q	S	Blov	rs on	
Sample No.	Moisture		İ	Sample	Total Blows		VISUAL FIELD CLASSIFICATION AND REMARKS Weight		Unconfined Strength	Boulders	6		Drilling
U.	-	0/6	6/12	0,4	ğ	1	11 7.5 2 FIII Drop		S _{fg}	å	Casing Size	Probe Size	ΩŽ
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Seymour 6086e

State of Wisconsin Department of Natural Resources Route to: V	Watershed/Wastewater	Waste Management		ONITORING WELL	
	Remediation/Redevelopment	Other	- r	orm 4400-113A	Rev. 7-98
	Local Grid Location of Well		BE. W	Vell Name	
Cirgo Dinamini	Local Grid Origin (estima			Wis. Unique Well No.	DND Well ID No
Facility License, Permit or Monitoring No.			13	wis. Omque wen no.	DIVIN WORLD HO.
Milton	Lat,"I	ong	or	Date Well Installed	772 73
Facility ID	St. Planeft N,	ft. E.	S/C/N	Date Well installed	0515
	Section Location of Waste/Sour	rce	-	m m	d d V V V Y
Type of Well	1/4 of 1/4 of Sec.	.TN, R		Well Installed By Nam	ie (first, last) and Firm
Well Code/	Location of Well Relative to W			Firee	21
Distance from Waste/ Enf. Stds.	u 🗆 Upgradient s 🗆	Sidegradient	· Callidea	Rule	2
Sourceft. Apply	d Downgradient n 🛘	Not Known		Dange	3
A. Protective pipe, top elevation	The ft. MSL	1. Cap and			Yes No
D. W. II.	ft. MSL	2. Protectiv	mental Control	pe:	9.
B. Well casing, top elevation			diameter:		-/ ₇ - in.
C. Land surface elevation	ft. MSL	b. Length	h:		ft.
		c. Materi	ial:		Steel 94
D. Surface seal, bottom ft. MS	SL or II.				Other 🗆 📖
12. USCS classification of soil near scree	n:	d. Additi	ional prote	ction?	☐ Yes ☐ No
	SW 🗆 SP 🗆	If yes	, describe:		
SM SC ML MH C	CL CH CH CH		_		Bentonite [] 30
Bedrock □	100	3. Surface s	scal:	¥6	Concrete 01
13. Sieve analysis performed?	Yes □ No				Other 🗆
14. Drilling method used: Ro	tary 🗆 50	4 Material	between w	vell casing and protective	277.777
Hollow Stem A		***	DOCTOR!	on broad and product	Bentonite □ 30
	Other 🗆 🗎				Other 🗆
	and I was	—		a. Granular/Chippe	The state of the s
15. Drilling fiuid used: Water □ 0 2	Air □ 01	5. Annular			
	None □ 99			id weight Bentonite	
	.tone L >>			id weight Bento	
16. Drilling additives used?	Yes □ No	d9	6 Bentonite	e Bentonite-co	ement grout 1 50
		e/D	, de CoFi	volume added for any o	A CONTRACTOR OF THE PARTY OF TH
Describe		f. How	installed:	-	Tremie 0 1
17. Source of water (attach analysis, if requ	uisad):	88		Trem	ie pumped 🛛 02
17. Source of water (attach analysis, if leq	mirea):	W			Gravity 🔼 08
		6. Bentonit	EST. OFFICE AND ADDRESS.		ite granules [33
		b. □1/	14 in. 537	/8 in. □1/2 in. Ben	ntonite chips 3 2
E. Bentonite seal, top ft. MS	SL or//ft.	₩ / c	(SV		Other 🛘 🚉
		M / 7.F.		. M	at assaul & much ning
F. Fine sand, top ft. MS	SL orR.	/. Fine san	ermaterial:	Manufacturer, produc	name & mesh size
er de statement van		a	self	Tin &	
G. Filter pack, top ft. MS	SLor 55 ft.	b. Volum	me added _	, 3 ft-	3
•	05			l: Manufacturer, produ	ct name & mesh size
H. Screen joint, top ft. MS	SL or O ft.		HA	井人	
		b. Volu	me added	10.04 ft	3
I. Well bottom ft. MS	SLor_70_ft.	9. Well cas		Flush threaded PVC sc	
	70		A	Flush threaded PVC sc	
J. Filter pack, bottom ft. MS	31.0r 75 ft 1				Other 🗆 🏬
J. Princi pack, bottom		10. Screen r	matarial:	50 1,40	DUX =
K. Borehole, bottom ft. MS	51 or 750.		112		Factory out
K. Borehole, bottom ft. MS	201-7-7-7	a. Scree	en type:		Factory cut 11 inuous slot 01
CQ.		2		Cont	XXXXXX
L. Borehole, diameter in.		\		MACIADO	Other 🗆 🏥
0.38			ıfacturer /	11000 Fug	- 00
M. O.D. well casing in.		c. Slot			V CIA.
O.A			ed length:	30	- 11.
N. I.D. well casing in.		11. Backfill	material (below filter pack):	None 14
150					Other 🗆 💹
I hereby certify that the information on this	s-form is true and correct to the	best of my knowledge.			
Signature V) Firm				

Badger State Drilling, Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent

Route to: S Env. Respon			_	Vaste □ Wastewater □ lerground Tanks □ Otl	ner 🗆	
Facility/Project Name		Coun	ty Name		Well Name	
BOD'S CITGO		1 .	Zock		mw-	1
Facility License, Permit, or Monitoring Number		Coun	ty Code	Wis. Unique Well Nu	mber DNR Wel	l Number
1. Can this well be purged dry?		Yes	⊠ No	II Double Western	Before Development	After Development
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other 3. Time spent developing well 4. Depth of well (from top of well casing) 5. Inside diameter of well		61 42 62 70 20 10 51 50	2min. 2Ot. in.	11. Depth to Water (from top of well casing) Date Time 12. Sediment in well bottom 13. Water clarity	a	08130113 mm d d y y
 6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any) 9. Source of water added 		<u>55</u> .	gal gal gal.		s were used and well is at mg/l	solid waste facility: mg/l
10. Analysis performed on water added? (If yes, attach results)	0	Yes	□ No	1	i	
Well developed by: Person's Name and Firm Name: Lagrange Seymour Firm: Seymour Env				of my knowledge.	e above information is true Byn Sly S	e and correct to the best

Route to: S Env. Respon				aste ☐ Wastewater ☐ erground Tanks ☐ Otl								
Facility/Project Name		Coun	ty Name	e Well Name								
Bon's CITGO			Žock		mw-8							
Facility License, Permit, or Monitoring Number		Coun	ty Code	Wis. Unique Well Nu	mber DNR We	Il Number						
		-	54	in such that is a similar to the second of t								
1. Can this well be purged dry?	o '	Yes	D No	11. Depth to Water	Before Development	After Development						
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other		41 61 42 62 70 20 10 51 50		(from top of well casing) Date Time 12. Sediment in well bottom 13. Water clarity								
3. Time spent developing well4. Depth of well (from top of well casing)5. Inside diameter of well		2(2_ 13.; 20										
6. Volume of water in filter pack and well casing7. Volume of water removed from well8. Volume of water added (if any)	_5	15.	gal. gal. gal.		is were used and well is a							
9. Source of water added				15. COD	mg/l	mg/l						
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No	Í		l						
16. Additional comments on development:			· · · · · · · · · · · · · · · · · · ·	I hoody out 5 day d	shavo is Coursel's a later	and associate the Levi						
Well developed by: Person's Name and Firm				of my knowledge.	above information is tru	e and correct to the best						
Name: Roboya Seymow	<u> </u>	nK	<u>S</u>	Signature: RA	toyn Sey	non						

Firm: SEYMOUR ENVIRONMENTAL SERVICES, Inc.

Route to: S Env. Respon			/aste □ Wastewater □ erground Tanks □ Ot		
Facility/Project Name	Coi	inty Name		Well Name	
BOD'S CITGO		Rock		mw-9	
Facility License, Permit, or Monitoring Number	Cor	inty Code		mber DNR We	ll Number
		54			
1. Can this well be purged dry?	☐ Yes	□ No		Before Development	After Development
2. Well development method			11. Depth to Water (from top of	. 59 1A.	50 / 4
surged with bailer and bailed	2 4 1	1	well casing)	a59. [A ft.	
surged with bailer and pumped	5 61			A 2 A + A	00/30/13 mm d d y y
surged with block and bailed	7 0 4 2		Date	b.00134113	100130113
surged with block and pumped	☐ 62			mm aayy	mmaa yy
surged with block, bailed and pumped	□ 70		Time	a ∧ 02.20 Bam.	09:30 = a.m.
compressed air	□ 20		1 mic	υ. υ ε). Δυ U p.m.	
bailed only			12. Sediment in well	_ 1. Dinches	() Inches
pumped only	☐ 51		bottom		
pumped slowly	☐ 5(13. Water clarity	Clear 🔀 10	Clear ZN20
Other				Turbid 15	Turbid 25
		<u>u</u>		(Describe)	(Describe)
3. Time spent developing well	_60	min.			
4. Depth of well (from top of well casing)	_67	: <u>LO</u> A.			
5. Inside diameter of well	_2.0	2() in.			
6. Volume of water in filter pack and well		1			<u> </u>
casing ·		· _ gal.	Fill in if drilling fluid	s were used and well is a	t solid waste facility:
7. Volume of water removed from well		\mathcal{D}_{gal}	14. Total suspended solids	ng/l	ng/l
8. Volume of water added (if any)		gal.	Solids		
9. Source of water added		 .	15. COD	mg/l	mg/l
10. Analysis performed on water added?	☐ Yes	 □ No			
(If yes, attach results)	1c3				
16. Additional comments on development:					**************************************
Too deep for	~ .O. I.oo	wa h	ad to pa	()	
100 dlep for	13011	,,,,	, ,	-/	
·					
Well developed by: Person's Name and Firm	***************************************		I hereby certify that the	above information is true	e and correct to the best
·			of my knowledge.		
Name: Robyn Seymow			Signature: Lo	byn Sey	non
Name: Robyn Seymour Firm: Seymour Env			Print Initials: RA	5	•
	/ · · · · · · · · · · · · · · · · · · · · ·		Firm: SEYMOUR EN	VIRONMENTAL SERV	ICES. Inc.

Bon's CITGO	ounty Name Rock ounty Code		Well Name Mw-1	
Bob's CITGO	Rock ounty Code		1 20 2 1	
	ounty Code		1 1/1/0/~/	\bigcirc
Facility License, Permit, or Monitoring Number C		Wis. Unique Well Nu	mber DNR We	ell Number
	54	Alexandria edilika di di di di di di di di di di di di di		
1. Can this well be purged dry?	s 💢 No	11 Dord to Wee	Before Development	After Development
2. Well development method		11. Depth to Water (from top of	a. 61.30ft.	_60.8Dft.
_	1	well casing)		
surged with bailer and pumped	51			
surged with block and bailed 4	2	Date	b/_//	$\frac{1}{m}\frac{d}{d}\frac{d}{d}\frac{d}{y}\frac{d}{y}$
surged with block and pumped 6	2			
surged with block, bailed and pumped \(\square\) 7	0	Time	c.//:45 a.m.	12:45 am.
	2.0		•	
bailed only	0	12. Sediment in well	$\underline{2}$. \underline{D} inches	
pumped only	31 .	bottom		
	0	13. Water clarity	Clear 10	Clear DK20
- :	Ė	•	Turbid 15 (Describe)	Turbid 125 (Describe)
			(2001100)	(2000.100)
3. Time spent developing well	min.			
4. Depth of well (from top of well casing)	1.4n.		-	
5. Inside diameter of well	$\underline{\mathcal{D}}$ Oin.			
6. Volume of water in filter pack and well casing	gal.	Fill in if drilling fluid	s were used and well is	at solid waste facility:
7. Volume of water removed from well	c. Dgal.	14. Total suspended	mg/l	mg/l
8. Volume of water added (if any)	gal.	solids		
9. Source of water added	 	15. COD	mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)	s 🗆 No			I
16. Additional comments on development:		·····		
10. Additional comments on development.				
·				
		· ·		
Well developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	above information is tru	ue and correct to the best
Name: Robyn Seymour		Signature: Lo	byn Sey	mon
Name: Robyn Seymour Firm: Seymour Env		Print Initials: RA	5	
		Firm: SEYMOUR EN	VIRONMENTAL SER	VICES, Inc.

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐

SOIL BORING LOG INFORMATION

Vatural Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater
Waste Management
Waste Management

											_	1 . 1	
Facility/Project Name		License/I	Permit/	Monite	oring N	umber		Boring	Numbe		Page	1 of 1	
Bob's Citgo SCS#: 25.	221172				J				B21				
Boring Drilled By: Name of crew chief (first, last) and Firm		Date Drilling Started				Dat	te Drilli	ng Con	npleted		Drill	ing Method	
Tony Kapugi Kapugi On-Site Environmental Services		10/18/2021					10/18/2021					Geoprobe	
WI Unique Well No. DNR Well ID No. Common Well	ll Name	Final Stat				Surface	e Elevat		2021	Во		Diameter	
			Fe	et			pprox				2	.0 in.	
Local Grid Origin \square (estimated: \square) or Boring Location State Plane N , E S/C/N	N.	La	t	o	<u>'</u>	"	Local Grid Location Feet \(\subseteq N \)					East 🗆 E	
·	13 E	Long	<u> </u>	0	•	"		гее	\square S			Feet E E W	
Facility ID County	C	County Co				ity/ or \	Village						
Rock	4	54		Milt	on								
Sample								Soil	Prope	rties		-	
Soil/Rock Descriptio							п					100	
And Geologic Origin I	ror		S	iic	3	<u> </u> [ard ratio	ure	-	city		nents	
Number and Type and Type and Type and Type and Type and Type And Geologic Origin I Each Major Unit Soil/Rock Description And Geologic Origin I Each Major Unit			SC	Graphic	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments	
			n	0 1		 	S	20		P Is	Ь	<u> </u>	
POORLY GRADED SAND w/ GRA	VEL, ligh	nt	SP										
S1 yellowish brown, dense (fill) SILTY SAND, dark brown, dense, tr	ace oravel					1.0		D					
312 1 States, dank brown, dense, an	acc graver												
49 = 3			SM										
S2						22.4		M					
SILT, dark brown, stiff													
5 SIL1, dark blown, still													
_6			,,,,										
83			ML			10.6		M				Petroleum odor.	
$H_{41} = F'$													
LEAN TO FAT CLAY, grey, soft													
S4						133		M				Petroleum odor.	
			CL/CH										
-10 CLAYEY SAND, brownish grey, der													
\$5 L	nse		SC			372		M				Petroleum odor.	
			50		্	372		141				r caroleani odor.	
☐ 34	n, brown,	dense										Petroleum odor	
			SP										
S6 - 14						1167		M				Petroleum odor. Lab Sample	
S6 FOR @ 15' bas. Rorehole abandoned												12.5-15' bgs for PVOC+N.	
EOB @ 15' bgs. Borehole abandoned chips and re-topped with concrete.	with bent	onite											
I hereby certify that the information on this form is true and correct				ge.									
Signature Janob Ruse Fir	m SCS	Engine	ers					Jacob	Krause	;		Tel: Fax:	

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Resources Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater
Waste Management
Waste Management

				Remediation/	Redevelopment 🛚	Other												
															Page	1 of 1		
Facilit	ty/Proje	ct Nam	ne			License/	Permit/	Monito	ring Nu	mber		Boring	Numbe		ruge			
	s's Citg				SCS#: 25221172]	B22					
	-	-		f crew chief (first, last) a	nd Firm	Date Drilling Started Date I				te Drilling Completed				Drilling Method				
Tor	ıy Kar	ougi k	Kapug	i . 1 a · ·			10/10	. (2.0.2.1				0/10/	2021					
	-Site E nique W			tal Services DNR Well ID No.	Common Well Name	Einal Cta		3/2021		Carefoo		0/18/	2021	Da		Pierreter		
WIU	mque w	en No	•	DINK Well ID No.	Common well Name					e Elevation B pprox. 880 Feet				orehole Diameter 2.0 in.				
Local	Grid O	igin	☐ (e:	stimated: or Bor	ing Location		10					rox. 880 Feet cal Grid Location				2.0 in.		
	Plane	U	_ `		E S/C/N	La	ıt	<u> </u>	<u>'</u>				□N			Feet 🗌 E		
SW		of N	E 1	/4 of Section 28,	T 4 N, R 13 E	Lon		o	<u> </u>				\Box s			\square $\stackrel{-}{W}$		
Facilit	ty ID			County		County Co	ode	Civil T		ty/ or \	Village							
				Rock		54		Milto	n									
Sar	nple											Soil	Prope	erties		_		
	(ii) &	ts	t s	Soil/R	ock Description										l			
r Se	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Ge	ologic Origin For		\sigma		l g		Standard Penetration	8 T		ty	I	RQD/ Comments		
Number and Type	igth cove	×	oth I	Eac	h Major Unit		C	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200	D/ nime		
Nu	Ler Rec	Blo	Del				S N	Grap Log	Well Diagr	PII	Sta Per	Mo	Liquid Limit	Plastic Index	P 2	RQD/ Comm		
			-	-\ASPHALT														
S1			E	POORLY GRADED S	SAND w/ SILT and GF	RAVEL,	SP-SM		1	0		D			l			
	23		_2	LEAN CLAY, dark br		/									l			
	23		F	,	,										l			
S2			-4							0		M			l			
_	4		E												l			
			<u>-</u> 6												l			
S3			F	color changing gradual	lly to greyish brown		CL			0		M			l			
_	29		_ -8												l			
S4			- "							0		M			l	Lab Sample 8-10'		
34			-									IVI			l	bgs for PVOC+N.		
	1		10	color change to brown	trace sand										l	1 10011.		
S5			E							0		M			l			
	42		_12												l			
	42		F	CLAYEY SAND, bro	wn, dense		SC								I			
S6			- 14	POORLY GRADED S dark grey, dense	SAND w/ SILT, dark b	rown to				24.5		M			l	Petroleum odor.		
_	-			dark grey, dense											l			
			-16				SP-SM								l			
S7			F							60.8		M			l	Petroleum odor.		
	39		_ 18												l			
S8			- 10	_ CLAYEY SAND, dar	k brown medium dens	ρ.	SC		-	173		w			l	Petroleum odor.		
36			-	POORLY GRADED S			SP-SM			1/3		**			l	Lab Sample		
<u> </u>	1		-20	\dense				1	1						l	19-10' bgs for PVOC+N.		
				EOB @ 20' bgs. Borel chips and re-topped wi	tote abandoned with be the concrete.	ntonite									ı			
				1	·										ı			
															ı			
I here	by certit	y that	the info	rmation on this form is tr	rue and correct to the be	est of my kı	nowled	ge.										
Siona	ture ()		Firm GG	C.F.												

Signature James Rome Firm SCS Eng	gineers Tel: Fax:
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Vatural Resources

Route To: Watershed/Wastewater
Waste Management
Waste Management
Waste Management
Waste Management
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Remediation/Redevelopment	Other										
Facility/Project Name	License/l	Permit/	Monito	ing Nu	mber		Boring	Numbe		Page	1 of 1
Bob's Citgo SCS#: 25221172				Č]	B23			
Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted		Drill	ing Method
Tony Kapugi Kapugi On-Site Environmental Services	10/18/2021				10/18/2021					G	eoprobe
WI Unique Well No. DNR Well ID No. Common Well Name	Final Sta				Surface	Elevat		2021	Bo		Diameter Diameter
		Fee	et		approx. 880 Feet					2	.0 in.
Local Grid Origin (estimated:) or Boring Location	La	t	0	,	,,]	Local C					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Long		0	,	"		Feet	□ N □ S			Feet ☐ E ☐ W
<u> </u>	County Co		Civil To	own/Ci	<u> </u>	illage					
Rock	54		Milto	n							
Sample							Soil	Prope	erties		
એ 🗐 જુ Soil/Rock Description											
Number and Type and Type Accorded (ii) Blow Counts Blow Counts Blow Counts Blow Counts Each Major Unit		S	ွ	ш	۵	Standard Penetration	e t		ty		RQD/ Comments
Number and Type and Type and Type and Type Blow Coul Each Major Unit Each Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200)Qi
		Ď	Grap Log	Well Diagr	II I	Sta Pe	Σိ ပိ	Li Li	Pla	P 2	⊻ ಬ
S1 19 19 19 19 19 19 10 10 11 11		SP									
S1 TOOKET GRADED SAND WY GRAVEE, 61					0.1		M				
SILTY SAND, dark brown, dense, trace clay, gravel	trace				,,,,						
		SM									
S2					0.8		M				Lab sample 3-4'
5											bgs for PVOC+N.
LEAN CLAY, brown, stiff, trace fine sand											
83					0		M				
							IVI				
$H_{41} \mid \stackrel{E}{E}' \mid$		CL									
S4 becoming softer					0.5		M				
POORLY GRADED SAND, brown with som	11 1		re tectorist								
S5 POORLY GRADED SAND, brown with som staining, dense	ie black				0.4		M				Petroleum odor.
					0.4		IVI				r choleum odor.
		SP									
36 = 13											
86					3.6		M				Petroleum odor.
S6 FOR @ 15' bas. Borehole abandoned with ber											Lab Sample 14-14.5' bgs for PVOC+N.
EOD (a) 13 ogs. Borenore abandoned with ber	ntonite		1								
chips and re-topped with concrete.											
I hereby certify that the information on this form is true and correct to the be	st of my kr	nowleds	ge.								
Signature Firm Coo	-	•									

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may

SOIL BORING LOG INFORMATION

of Natural Resources

Route To:

Watershed/Wastewater

Remediation/Redevelopment

Other

SOIL BORTING LOG INFORMATION
Form 4400-122 Rev. 7-98

Other

Other

Other

Other

Other

Other

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	ty/Projecty b's Citg		ne		SCS#: 25221172	License/I	Permit/	Monito	rıng Nu	mber		Boring	Numb B24	er			
			Name of	f crew chief (first, last) a		Date Dri	lling St	arted		Dat	e Drilli				Drill	ing Method	
To	ny Kap	ougi k	Kapugi														
				tal Services DNR Well ID No.	Common Well Name			3/2021		10/18/2021					Geoprobe Borehole Diameter		
WIU	Unique Well No. DNR Well ID No. Common Well Na					Final Static Water Level Service Feet					urface Elevation approx. 880 Feet					.0 in.	
Local Grid Origin (estimated:) or Boring Location					ring Location	1		0			Local Grid Location					.0 III.	
	Plane			,	E S/C/N	La	t		<u> </u>			Feet	\square N			Feet E	
SW Facili		of N	E 1	/4 of Section 28,	T 4 N, R 13 E	Long		Civil T	own/Cit		7:11		\square S			□ W	
гасш	цу по			County Rock		County Co 54	de	Milto		y/ or v	mage						
Sa	mple			ROOK		<u> </u>		- IVIIIto				Soil	Prope	erties			
	т•		t t	Soil/R	lock Description											-	
o)	- :- <u>-</u>	Blow Counts	Depth In Feet		eologic Origin For					_	_ ion			<u></u>		ıts	
ober Tvp	Length Att. Recovered (Č ×	th In	Eac	ch Major Unit		CS	ohic	l gram	PID/FID	Standard Penetration	Moisture Content	pir it	ticit.	9)/ nmer	
Number and Type	Len	Blo	Dep				N S	Graphic Log	Well Diagram	PID	Star	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
				_ASPHALT			CD										
S1			_	POORLY GRADED S brown, dense (fill)	SAND w/ GRAVEL, ver	ry pale	SP			0		D					
-	26		_2		lack, stiff, trace sand and	d clay	ML										
S2										1.3		M				Lab sample 3-4'	
32			<u>-4</u>	POORLY GRADED S	SAND w/ SILT, brown,	dense	SP-SM			1.3		IVI				bgs for PVOC+N	
	1		-	LEAN CLAY, brown,	medium stiff, trace fine	sand											
			<u>-</u> 6														
S3	13		- 。							0		M				Poor recovery	
			- 8				CL									due to gravel grain stuck liner	
			-10														
			- 10														
S4			_ 12							0		M					
-	34		- 12	SILTY SAND, dark b	rown, dense, trace clay		SM										
S5			_ 14	POORLY GRADED S	SAND w/ SILT, fine, bro	own,				0		M					
			- ''	dense													
			_ 16	change to light brown,	medium dense												
S6			- 10				SP-SM			0		M					
-	42																
S7										0		M				Lab Sample	
	_		-20	F0D 0 2011 B 1												19-20' bgs for PVOC+N	
				EOB @ 20' bgs. Borel chips and re-topped wi	nole abandoned with ben ith concrete.	tonite											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature June Zume	Firm SCS Engineers	Jacob Krause Tea

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/				Manag	ement									
					Remediatio	n/Redeve	elopment 🛚	Other											
																	Page	1 of 1	
Facilit	y/Proje	ct Nam	ne					License	/Permit/	Monito	ring Nu	mber			Numbe				
	's Citg						CS#: 25221172								B25				
	-	-			ef (first, last)	and Firm	1	Date Dr	rilling S	tarted		Dat	te Drilli	lling Completed			Drill	ing Method	
Tor	ıy Kar	ougi k	Capug	i tal Servi	laaa				10/19	2/2021			1	10/18/2021				-	
	nique W				/ell ID No.	Comn	non Well Name	e Final St		3/2021 ter Leve		Surface	e Elevat		2021	Bo		eoprobe Diameter	
,,,	nque v	ch i to	•	Divic W	ch hb i vo.	Comm	ion wen rum	i mai st	Fe					rox. 880 Feet			orehole Diameter 2.0 in.		
Local	Grid Oı	rigin	(es	stimated:	□) or B	Boring Loc	ation			0			Local Grid Location						
	Plane				N,	E	S/C/N	L	at		<u> </u>			Feet	\square N]	Feet E	
SW		of N	E 1	/4 of Secti		т 4	n, r 13 e			0	<u>'</u>				□ S			□ W	
Facilit	y ID				County			County C	ode	Civil T		ty/ or \	/illage						
G.	1			1	Rock			54		Milto	n			G 1	D	4.			
Sar	nple													5011	Prope	rties		_	
	(E)	ıts	eet			/Rock De	-												
er /pe	Ati ered	Cour	la F			_	Origin For		S	.2	<u> </u>		rd atio	ıre ı		ity		ents	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Е	ach Majo	r Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
<u>z g</u>	Le R Le	BI	<u> </u>						Þ	Grap Log	Ď.	IA.	St Pe	žΰ	ĽĽ	F F	<u> </u>	25 25	
			Ē	ASPHA		/CAND	brown, dense	(£11)		149	ļ								
S1			-1	SILIIV	GRAVEL W	, SAND,	orown, dense	(1111)	GM	600	1	0		M					
51			_2			SAND v	w/ SILT and G	RAVEL,						IVI					
-	21		Ę ~	fine, bro	own, dense				SP-SM										
			<u>-</u> 3						3F-3W		· 								
S2			-4									43.1		M				Petroleum odor	
			-	LEAN	CLAY, dark	brown, m	nedium stiff, tr	ace sand										beginning at 3.5' bgs. Lab sample	
H			_5															3-4' bgs for PVOC+N.	
			<u>-</u> 6																
S3			F									89.3		M				Petroleum odor.	
			E-7																
	23		<u>-</u> 8																
			F																
S4			- 9						CL			51.8		M				Petroleum odor.	
	1		-10																
			F																
S5			-11									177		M				Petroleum odor.	
			E ₁₂									1,,		'''				Lab Sample 10-12' bgs for PVOC+N.	
-	34		E															PVOC+Ň.	
			- 13																
S6			14									9.8		M				Lab sample	
			E	brown, o) SAND,	fine to mediur	n, dark	SP		•							14-15' bgs for PVOC+N.	
	1		-15	EOB @	15' bgs. Bor	ehole aba	ndoned with b	entonite		[:								
				chips an	nd re-topped	with conc	erete.												
									1										
	•	ty that	the info	rmation or	1 this form is	true and	correct to the			ge.									
Signat	ure	Loud ,	Kune				Firm SO	CS Engin	eers					Jac	ob Kraı	ise		Tel: Fax:	

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SOIL BORING LOG INFORMATION

Form 4400-122 Route To: Watershed/Wastewater Waste Management

				Remediation.	Redevelopment 🛚	Other											
															Page	1 of 1	
Facilit	y/Proje	ct Nan	ne			License/I	Permit/	Monito	ring Nu	ımber		_	Numbe				
	's Citg				SCS#: 25221172								B4R				
		-		f crew chief (first, last) a	and Firm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted		Drill	ing Method	
			Kapug				10/10	/2021			1	0/10/	2021			1	
	ique W			tal Services DNR Well ID No.	Common Well Name			8/2021 er Leve		Surface	Elevat	0/18/2	2021	Ro		eoprobe Diameter	
**1 01	nque v	CII I VC	,.	DIVIC WEILID IVO.	Common Wen I vame	I mai su	Fee				pprox		Feet		2.0 in.		
Local	Grid O	rigin	(e:	stimated: or Box	ring Location	1					Local C						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							Lat Feet \square N]	Feet E			
SW		of N	IE 1	/4 of Section 28,	Long		<u> </u>	<u>'</u>				□ S			□ W		
Facilit	y ID			County	County Co	de	Civil To Milto		ty/ or V	illage							
Cor	mn1a			Rock		34		IVIIIIO	n			Coil	Prope	nuti aa			
Sai	nple	-		G 11/17								3011	Поре	lues			
	t. & I (ii)	nts	eet		Rock Description						g						
er ype	a At	Cou	l H		eologic Origin For		N	.c	III.		ard atio	nt e	_	ity		ents	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	200)DC	
<u>a</u> <u>Z</u>	7 %	B	+-				n	5 1	ß Ö	<u> </u>	St Pe	Σŭ	2.2	Pl	Д	<u>జ</u> ర	
			-1 -2 -3 -4 -5 -6 -7 -8 -9	POORLY GRADED:	SAND w/ SILT and GF	RAVEL											
S1			-1	very pale brown, dens		SP-SM			0		D						
			$=_2$	SANDY SILT, dark g	rey to dark brown, stiff	•	ML]								
H	43		E	SILTY SAND dark o	rey to dark brown, dens	se.									P 200		
			=3	SIETT STITE, CARRY	rey to dark orown, den	, c											
S2			E ₋₄				SM			8.8		M					
			E														
	1		5	SILT, dark grey to dar	k brown, stiff				ĺ								
			<u>-</u> 6														
S3			E				ML			13.2		M					
			- 7														
	44		<u>-8</u>	LEANCLAN	4:ee			Ш									
S4			E	LEAN CLAY, grey, s	um					19.7		M				Petroleum odor	
54			- 9							19.7		IVI				beginning at 8' bgs.	
F	-		10														
			E														
S5			-11				CL			405		M					
			12														
-	55		13														
			-														
S6			14							363		M				Lab sample 14.5-15' bgs for PVOC +N.	
			_ 15	POORLY GRADED	SAND, fine, brown, tra	ice gravel	SP									PVOC +N.	
_			- 15	EOB @ 15' bgs. Borel	hole abandoned with be												
				chips and re-topped w	ini concrete.												
I herel	oy certit	fy that	the info	ormation on this form is t	rue and correct to the be	est of mv kr	owled	ge.	1		1	1		ı		<u> </u>	
	,	,				, 111		_									

Signature June Kunne	Firm SCS Engineers	Jacob Krause	Tel: Fax:

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SOIL BORING LOG INFORMATION

ural Resources

Route To:

Remediation/Redevelopment

Waste Management

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										Page	1 of 2	
Facility/Project Name	License/I	Permit/	Monito	ring N	ımber			Numbe		_		
Bob's Citgo SCS#: 25221172 Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dri	lling St	arted		Da	te Drilli		BMV		Drill	ing Method	
Tony Kapugi Kapugi	Date Dil	iiiig St	aricu		Da	ic Dilli	ng Con	присиси		Brinning means		
On-Site Environmental Services		10/18	3/2021			1	0/18/	2021		Geoprobe		
WI Unique Well No. DNR Well ID No. Common Well Name	Final Sta	Final Static Water Level Surface Elevation Be							Во		Diameter	
Lead Gil Origina Control Contr		Feet approx. 880 Feet Local Grid Location							2.0 in.			
Local Grid Origin (estimated:) or Boring Location State Plane N, E S/C/N	La	Lat Local Grid Location Feet \square N							r		Feet 🗌 E	
SW 1/4 of NE 1/4 of Section 28, T 4 N, R 13 E	Long	<u> </u>	0	•			1.661	\Box S			rect □ E □ W	
	County Co		Civil T	own/C	ity/ or	Village						
Rock	54		Milto	n								
Sample							Soil	Prope	erties			
⊗ (Ξ) z Soil/Rock Description						l .						
Number and Type And Geologic Origin For Each Major Unit Soil/Rock Description And Geologic Origin For Each Major Unit		\sigma	ွ	_ 		Standard Penetration	er e		ity		RQD/ Comments	
Number and Type and Type and Type and Type Blow Coulont Each Major Unit Each Major Unit		SC	Graphic Log	Well Diagram	PID/FID	unda netra	Moisture Content	Liquid Limit	Plasticity Index	200	DZ/	
		D	Grap Grap	Well		Sta Pe	žΰ	iğ iğ	Pla	P 2	≥ 3 2 2 3	
SILTY GRAVEL, grey, loose (fill) POORLY GRADED SAND w/ SILT, fine, ve	my polo	GM										
brown, medium dense (fill - suspected remedia	al paic				0		D					
33 excavation backfill)												
S2 L					0		M					
							1,1					
		SP-SM										
S3					0		M					
H 29 F 8												
84					0		M					
							IVI					
SILTY SAND, brown, dense, trace gravel		SM										
S5 LEAN CLAY 1 1: 1:00 1	d	SM			0		M					
22 LEAN CLAY, brown, medium stiff, trace sand	•	CL										
SILTY SAND, dark brown, dense, trace clay					0		M					
86 -14							IVI					
		SM										
87					445		M				Petroleum odor.	
\vdash 32 \mid \vdash 12												
POORLY GRADED SAND, fine to medium, with some black staining, dense	brown	SP			362		M/W				Petroleum odor.	
SILTY SAND, fine, very pale brown, dense		SM			302		101/ 00				renoieum odor.	
POORLY GRADED SAND w/ SILT, fine, ve	ry pale											
S9 brown					10.7		M					
36 22		SP-SM										
I hereby certify that the information on this form is true and correct to the best	et of my ler	owled	12 - 11161. Te		<u> </u>	1	<u> </u>		İ			

Signature June Firm SCS Engineers Jacob Krause	Tel Fax
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SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

	g Numl	er	BM	Use only as an attachment to Form 4400-1	22.	ı			1				Page	2 of 2
San	nple									Soil	Prope	rties		
	(in)	ts	et	Soil/Rock Description										
. e	Att.	uno	n Fe	And Geologic Origin For			,	,	d ion	9		5		nts
nber TyF	gth	Blow Counts	Depth In Feet	Each Major Unit	CS	phic		PID/FID	Standard Penetration	Moisture Content	rid it	iticit *X	00	D/ nme
S Number and Type	Length Att. & Recovered (in)	Blo	Dep		S U	Graphic Log	Well		Sta1 Pen	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S10			-					22.2		M				
	1		E		SP-SM									
S11			-26	POORLY GRADED SAND w/ SILT and GRAVEL,			해 하	0		M				
	35		E	very pale brown, dense										
	33		-28							_				
S12			E					0		D				
	1		-30											
S13			E					0		D				
	39		-32											
			E							_				
S14			-34		SP-SM			0		D				
	-		E	very dense										
S15			-36					0		D				
	40		E											
24.6			-38							_				
S16			E					0		D				
	-		-40											
S17			E					0		M				
	56		-42	LEAN TO FAT CLAY, pale brown, medium stiff, trace fine sand	CL/CH	1111								
~40	30		E		SP					****				
S18			_44	POORLY GRADED SAND, medium, brown SILT, pale brown, medium stiff, trace fine sand, trace	ML			0		W/M				
			<u> </u>	clay		1								
S19			_46	LEAN TO FAT CLAY, brown, medium stiff, trace sand	CL/CH			0.3		W/M				
	59		F 40											
S20			-48	SILTY SAND, dark grey, dense	SM		<u> </u>	661		W/M				Strong petroleum
320			F 50	SILT w/ SAND, greyish brown, stiff, trace clay	ML]	001		VV/IVI				odor.
			-50	EOB @ 50' bgs. Borehole abandoned with bentonite chips and re-topped with nearby gravel.										
				chips and re-topped with hearby graver.										

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this accordance with chs. 281,	289, 291-293, 29	5, and 299	, Wis. S	Stats., fa	ailure to	file this form may res	sult in a forfeiture	e of between	n \$10-25,	000, or impris	sonment
for up to one year, depend purpose. Return form to the	ing on the program e appropriate DNI	n and cond R office an	duct inv d burea	roivea. i iu. See	rersona instructi	ily identifiable inform ons on reverse for m	nation on this for nore information.	m is not inte	enaea to t	e used for ar	iy otner
(B21)	a albertinas in a	The state of the s			Bureau:						-
Verification Only	of Fill and Sea	al I	Dri	inking V	Vater	Waters	shed/Wastewater		Remedi	ation/Redevel	opment
			☐ Wa	aste Ma	nageme	nt Other:					
1. Well Location Infor	mation	1 3 C	300	200		2. Facility / Own	er Informatio	n de la		16 1	177
County	WI Unique Well #	of Hi	icap#			Facility Name					
Rock	Removed Well	1				Bob's Citgo (Fo					
Latitude / Longitude (see in	structions)	Format C	ode	Method	Code	Facility ID (FID or P	PWS)				
Editado / Edifficado (dee in	N		5-00-D		PS008	154074250					
					R002	License/Permit/Mon	nitoring#				
- T.	W				ГН001		110				
	Section Section	Towns			X E	Original Well Owner	r				
or Gov't Lot#	28	0	1 N	13	W						
Well Street Address						Present Well Owner Robert Richard					
602 W. Madison Ave						The second secon	The same of the sa				
Well City, Village or Town				IP Code	9	Mailing Address of I 507 Campus St					
Milton			5356	3		City of Present Owr			State	ZIP Code	
Subdivision Name			Lot #			Milton	nei		WI	53563	
						4. Pump, Liner,	Scroon Casir	na & Soal			
Reason for Removal from S	The second secon	ique Well#	of Rep	laceme	nt Well	Pump and piping		ig & Seai		Yes No	N/A
imporary - Investi						Liner(s) removed				Yes No	N/A
3. Filled & Sealed Wel	I / Drillhole / Bo Original Co				anas)	Liner(s) perforate			=	Yes No	N/A
Monitoring Well	1 1 1 .	,		iiii/aa/y	(ууу)	Screen removed			=	Yes No	⊠N/A
Water Well	10/1	8/200	4			Casing left in pla	ce?		H.	Yes No	N/A
Borehole / Drillhole	If a Well C	Construction	n Repor	t is ava	ilable,	Was casing cut of		?		Yes No	N/A
Construction Type:	please att	aun.				Did sealing mate				Yes No	NATH
	Driver (Condesint)	Г	¬			Did material settl				Yes No	□ N/A
	Oriven (Sandpoint)	_	Dug			- ACC ASSESSMENT ACCC ACC	ole retopped?			Yes No	□ N/A
X Other (specify): Dire	ct Push (Geop	robe)				If bentonite chips	s were used, were		eted LJ		
Formation Type:	_	_				with water from a	a known safe sou	rce?		Yes No	∐ N/A
Unconsolidated Forma		Bedroc	k			Required Method of					
Total Well Depth From Gro	September 110 (Inc.) That I had I had I had	Casing Dia	ameter	(in.)			pe-Gravity [(ed	
Boring 15						Screened & P (Bentonite Ch	oured (Other (Expla	ain):		
Lower Drillhole Diameter (in	n.)	Casing De	epth (ft.)			Sealing Materials					-
2.25"						Neat Cement	Grout	\bowtie	Concrete		
			_			Sand-Cement	t (Concrete) Grou	ıt 🔀	Bentonite	Chips	
Was well annular space gro	uted?	Yes	No	∐ Uı	nknown	For Monitoring Well	ls and Monitoring	Well Borel	holes Only	! :	
If yes, to what depth (feet)?	Dept	h to Water	(feet)			Bentonite Chi	ps	Benton	ite - Ceme	ent Grout	
						Granular Bent	tonite	Benton	ite - Sand	Slurry	
5. Material Used to Fil	LWall / Drillbal					Control of the last of	(ft.) No. Yard	ls Sacks S	ealant or	Mix Rat	
	The state of the s	21					VOIC	ime (circle		Mud We	eight
3/0" Bento		2)		(150		0.	9 11		Dry	
Concret	ح	0.				Surface 01	9				
6. Comments	30. 750 W.	7. Sec. 1	THE			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	1 1 M	J. 965-048		W 18
271								1 7 1 1			
521											
Supervision of Wor Name of Person or Firm Do	k	- Files			-tt-	lling R. Contlant of Man	disation Date 5		NR Use		
	123	ng Licen	ise #			lling & Sealing or Ver	And the second second	Received		Noted By	
SCS Enginee Street or Route	د ا			10		(yy) 10/18/201 elephone Number	Comm	ente			
2830 Dair	4 Dave	_				608)2Z1-2		ono			
City	J Dine	State	ZIP C	ode		Signature of Person			TDat	e Şigned	
Madson		UI	15	3718)	Quel	kne		12	1/18/202	21

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of thi accordance with chs. 281 for up to one year, depen	. 289. 291-2	293, 295.	and 299.	Wis.	Stats., failure	to file this form	may result in	a forfeiture of betw	reen \$10-25.	.000, or imprisonment						
purpose. Return form to t	he appropria	ate DNR	office and	bure	au. See instru	ctions on reve	rse for more in	formation.	interiore to i	yo dood for any other						
1824			R		to DNR Burea	u:	1									
☐ Verification Only	of Fill an	nd Seal		=	rinking Water		Watershed/V	Vastewater	X Remedi	ation/Redevelopment						
				w	laste Manager		Other:									
1. Well Location Info		10/01/14/04	a en		13 he 15 h		/ / Owner In	formation	4 108 1							
County	WI Unique Removed		HI	cap#		Facility Na		1								
Rock						Bob's Citgo (Former) Facility ID (FID or PWS)										
Latitude / Longitude (see	instructions)	F	ormat Co	de	Method Code	1540742										
		N			GPS008		License/Permit/Monitoring #									
		w		М	OTH001		¥									
14/4 SW 14 A	JE S	Section	Towns	hip	Range S	Original We	ell Owner									
or Gov't Lot #		28	0-	(N	13	- 1										
Well Street Address				. [1		Present We	ell Owner									
602 W. Madison Ave	Э					Robert F	Richardson									
Well City, Village or Town	1			Well	ZIP Code	_	Mailing Address of Present Owner									
Milton				535	63		pus St., Apt	t. 7	To:	Tens a						
Subdivision Name				Lot#			sent Owner		State	ZIP Code						
						Milton	linos C	on Cooling 9 0	WI	53563						
Reason for Removal from			ue Well#	of Re	placement We		unter, Screen	en, Casing & Se		enal Yes No ⊠N/A						
emporary - Investig							removed?	vou:	1	Yes No N/A						
3. Filled & Sealed We					(mm/dd/yyyy)	` '	Liner(s) perforated?									
Monitoring Well	0.0	10/11	1/21	7.1	(IIIII/IIII/IIII/III/III/III/III/III/II	Screen	emoved?			Yes No No N/A						
Water Well		10//8	1/20	1	29.7	Casing I	eft in place?			Yes No No N/A						
X Borehole / Drillhole		a Well Col ease attac		Repo	ort is available	Was cas	ing cut off belo	ow surface?	П	Yes No N/A						
Construction Type:	1,6					Did seal	ing material ris	e to surface?	×	Yes No N/A						
Drilled	Driven (San	dpoint)		Dug	1	Did mate	erial settle after	r 24 hours?		Yes No N/A						
X Other (specify): Dir			obe)			If ye	s, was hole ret	topped?		Yes No N/A						
Formation Type:							If bentonite chips were used, were they hydrated with water from a known safe source?									
Unconsolidated Forr	mation		Bedrock				Required Method of Placing Sealing Material									
Total Well Depth From Gr		e (ft.) IC	asing Dia		r (in)		Conductor Pipe-Gravity Conductor Pipe-Pumped									
		201	g = 10		(1117)	Scree	Screened & Poured Other (Explain):									
Lower Drillhole Diameter	2 32K		asing De	nth (ft	.)	Sealing Materials										
Cower Diffinole Diameter	(111.)	۲	asing De	pui (it	••)	Neat Cement Grout Concrete										
							-Cement (Con-	-	Bentonite	Chins						
Was well annular space gr	routed?		res [No	Unknov	/n		Monitoring Well Bo	7							
If yes, to what depth (feet)?	Depth 1	to Water	(feet)			nite Chips		tonite - Cem							
•						and the same of	ular Bentonite		tonite - Sand							
5. Material Used to F	:0.167-0.7.15	STILL STATE	1505	100	WAR OF LOS	والمراقات الم		No Yards Sacks		Mix Ratio or						
						From (ft.)	To (ft)	Volume (circ		Mud Weight						
Conc	rete	01				Surface	0-5	^ /	£+3							
3/8" Ber	ton te	Chi	162			0.5	20	0.6	443	day						
6. Comments				d(i				COVERUE OF	richtes en	E TELEVISION						
222																
D 22	al a		III III	No.	- TA - TA	10.8	10 to 100		DND	Only						
Supervision of Wo Name of Person or Firm I		& Sealing	Licen	se#	Date of	Filling & Sealing	a or Verification	on Date Received	DNR Use	Only Noted By						
SCS Englace	-	_ ocaming		J 0 11	(mm/de	/yyyy) 0/18	12021									
Street or Route	, ,				a serse	Telephone Nu	mber	Comments								
2830 Dair	y Des	re					4-2830									
City adison)		State		Code		f Person Doin			te Signed						
Modison			WI	15	3718	1	6 10	ne	15	18/2021						

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment												
for up to one year, depending purpose, Return form to the	ng on the program appropriate DNR	and conduct office and bu	involved. Persor	nally identifiable	information is information in	on this form is not in formation.	tended to b	e used for any other				
(B23)	appropriate Diffit		e to DNR Burea		o tor more in	iomation.						
Verification Only o	f Fill and Sea		Drinking Water		Watershed/V	Vastewater 2	X Remedia	ation/Redevelopment				
			Waste Manager	nent	Other:							
1. Well Location Inform		A 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			/ Owner Int	formation	set tool	1. 3. 4. A. W. B. R. S. C.				
	VI Unique Well # o Removed Well	of Hicap	#	Facility Nam								
Rock	10,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				go (Former)						
Latitude / Longitude (see ins	tructions)	Format Code	Method Code	Facility ID (F 15407425								
	N	DD	GPS008		mit/Monitoring	. #						
	w	DDM	SCR002	Licenson	IIIDIVIOIIIOIIII	, m						
11/4 5W 14 NT	Section	Township	Range 🔀 E	Original Wel	l Owner							
or Gov't Lot #	28		13 6	· Proposition and a								
Well Street Address	120		4 (3 L)	Present Wel	l Owner							
602 W. Madison Ave				Robert Richardson								
Well City, Village or Town	-	We	II ZIP Code		Mailing Address of Present Owner							
Milton			563		ous St., Apt	. 7						
Subdivision Name		Lot	#	City of Prese	ent Owner		A STATE OF THE STA	ZIP Code				
				Milton			WI	53563				
Reason for Removal from Se		ue Well # of F	Replacement We			en, Casing & Sea						
emporary - Investigat				Liner(s) re	d piping removed?	ved ?		/es				
3. Filled & Sealed Well				Liner(s) p			= 1	res No NA				
Monitoring Well	Uriginal Col	. /	e (mm/dd/yyyy)	Screen re			=	res No MN/A				
Water Well	10//	8/202	/	Casing let	ft in place?		= = :	res No N/A				
X Borehole / Drillhole	If a Well Co		port is available,	Was casir	ng cut off belo	w surface?		res				
Construction Type:	picase atta	CII,			Did sealing material rise to surface?							
A SACTOR MANAGEMENT OF THE PARTY.	iven (Sandpoint)	Пп	ug	1	Did material settle after 24 hours?							
X Other (specify): Direct	A		ug	If yes, was hole retopped? Yes No N//								
Formation Type:	kir don (Ocopi	0007										
	ion –	Dodrook		With trately from a tratewin state searce.								
Total Well Depth From Grou		Bedrock	//- \	Required Method of Placing Sealing Material Conductor Pine-Gravity Conductor Pine-Pumped								
		Casing Diamet	ter (in.)	Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured Cther (Explain):								
BON) 15'				(Bentonite Chips) Other (Explain):								
Lower Drillhole Diameter (in.) [Casing Depth	(ft.)			G-7	<u>.</u>					
2.25					ement Grout		Concrete					
Was well annular space grout	ted?	Yes N	o Unknow	_	Cement (Cond	_	Bentonite (
If yes, to what depth (feet)?		to Water (feet		- For Monitori	5-0	Monitoring Well Bore	150					
if yes, to what depth (leet)?	Бери	to water (reet)		nite Chips		nite - Ceme					
			Mair May	Granul	ar Bentonite		nite - Sand					
5. Material Used to Fill	Well / Drillhole			From (ft.)	To (ft)	No Yards Sacks S Volume (circle		Mix Ratio or Mud Weight				
Concre	te			Surface	0.5							
3)8" Berton	The Chi	25		0-5	15	0.4 ft	.3	dry				
								J				
6. Comments	and all of the			न विशेषात्रका ।	11 - 17 21		West of	Will Tours with				
B23												
7. Supervision of Work		A REAL PROPERTY.	Manual Confe	79546			ONR Use					
Name of Person or Firm Doir		g License #		Filling & Sealing		n Date Received	N	loted By				
SCS Engine	US		(mm/dd	/yyyy)/d/18/2								
Street or Route	D: -			Telephone Number Comments								
2830 Dala) EAL	State ZIF	P Code		Person Doing	Work	Date	- Şigned				
City			3718	Signal of	1	70 - 1	10	118/2021				
The second secon			- J V U		0 /			1.0/00				

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this accordance with chs. 281, for up to one year, depend purpose Return form to the	289, 291-29 ing on the p	93, 295, a program a	and 299, and cond ffice a <u>nd</u>	Wis. uct in bure	Stats., failure volved. Perso	to file this fo nally identifi ctions on re	rm r able	may result in information	a forfeitu on this fo	re of bety rm is not	ween \$10	-25,00	0, or impr	isonment	
- (BZy	100° 0000 100 00000				rinking Water	u.		Watershed/W	lantowate		X Ren	andiatio	n/Redeve	lanmant	
Verification Only	of Fill an	d Seal	L	=					vasiewaie	:1	V Kell	leulalit	mredeve	Hopment	
V		-		w	/aste Manager			Other:							
1. Well Location Inform	-		CHARLES		10.00			/ Owner Inf	ormatic	n	110 IV	-124	Bu F	27/21	
County	WI Unique Removed V		Hic	cap#		Facility									
Rock	i tomorou t	*****						o (Former))						
Latitude / Longitude (see in	structions)	IFO	ormat Co	de	Method Code		0.7	ID or PWS)							
		N			GPS008	15407									
			_		SCR002	License	Perr	mit/Monitoring	#						
		_w			OTH001										
1/1/1 SW 1/4 N	ESE	ection	Towns	hip	Range 🔼	Original	Well	l Owner							
or Gov't Lot#		28	104	Ν	13 🗆 1	v									
Well Street Address			,,			Present									
602 W. Madison Ave								chardson							
Well City, Village or Town				Well	ZIP Code	_		ess of Preser							
Milton				535	63			ous St., Apt	. 7						
Subdivision Name				Lot#		107		ent Owner			State		P Code		
Investigative	dialu					Milton					W		3563		
Reason for Removal from S	Service	WI Unique	e Well#	of Re	placement We	*	A ALCOHOLIS	∟iner, Scree		ng & Se	ealing N	lateria	-	1875	
27		_						piping remov	ved?			Ye:	=	≥ N/A	
3. Filled & Sealed Wel	l / Drillhol	e / Bore	hole In	form	ation	44		emoved?				Ye		N/A	
Monitoring Well					mm/dd/yyyy)			erforated?				Ye:	s No	☑ N/A	
	1 1	0/181	202	1		Scree	n re	moved?				Ye	s No	≥ N/A	
Water Well	If a	-			et is susilable	— Casir	g lef	ft in place?				Ye:	s No	∑ N/A	
X Borehole / Drillhole		ase attach		Kepu	ort is available,	Was	casir	ng cut off belo	w surface	?		Ye	s No	N/A	
Construction Type:			**			Did s	ealin	g material rise	e to surfa	ce?		Ye	s 🗌 No	□ N/A	
STORESTON STREET	Oriven (Sand	Incint)		Dug	•	Did m	ater	ial settle after	24 hours	?		Ye	s No	□ N/A	
			ha)		•	lf lf	yes,	, was hole ret	opped?			Ye	s 🗍 No	□ N/A	
	Ct Fusin (Geopiui	ue)					te chips were			ydrated				
Formation Type:		-					with water from a known safe source? Yes No N// Required Method of Placing Sealing Material								
Unconsolidated Forma	ation		Bedrock			Require	d Me	ethod of Placi	ng Sealin	g Materia	ıl				
Total Well Depth From Gro	und Surface	(ft.) Ca	sing Dia	meter	r (in.)	Conductor Pipe-Gravity Conductor Pipe-Pumped									
Bong 20						I⊠ Sc	Screened & Poured (Bentonite Chips) Other (Explain):								
Lower Drillhole Diameter (in	n.)	Ca	sing De	oth (ft	.)	Sealing									
2.25	,	1		•	,			ement Grout		4	Conci	ete			
								Cement (Cond	crete) Gro		_	nite Ch	ine		
Was well annular space gro	uted?	☐ Ye	es 🗀	No	Unknow	n					_		iipo		
If yes, to what depth (feet)?	,	Toenth to	Water (feet)	1			ng Wells and	WONKON			-	Crout		
ii yos, to what depth (loct)		Dopuite	, vvaici (iccij				nite Chips			ntonite - C				
						Gı	anul	ar Bentonite	line in the second		tonite - S				
5. Material Used to Fil	l Well / Dr	illhole				From (ft.)	To (ft.)	3.00	ds Sack lume (circ	s Sealant	or	Mix Ra Mud W		
CAROCELE						Surfa	ce	0.5							
3/8" Benton	سلم	CWO				0.5		20		0.6	ft)		dry		
0/0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.,	0 1									• 4)		
6. Comments	A THE RESERVE		7 11	II.	25 FL 8	4	1	WATER PARTY	517	de l'éref			W. 2	W. 2. W.	
B24										9					
0/1															
7. Supervision of Wor		Continu	23845		Data	Cilling 9 Co	alles	- A Marification	Data	Danahuan	DNR				
Name of Person or Firm Do		Sealing	Licens	DC #		/		or Verification	Date	Received	•()	INO	ted By		
Street or Route			_		[(iiiii/dc	/yyyy) (\(\frac{1}{2}\)			Com	nante					
	0-								Com	nents					
2830 Dain) P.	12	State	ZID 4	Codo		_	1-2830 Person Doing	n Marie			Data	ianed		
Madbon		8	WI	5	Code 3710	Signatur	Li	~ Countrolling	W.			IS	Signed A	1	
IN ON GROOM			لاس	-	5110	1/		v		\sim		17/	0/000	1	

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this accordance with chs. 281 for up to one year, depend	289, 291-293, 2	95, and 299	, Wis.	Stats., fail	ure to	file this form r	nay result in	a forfeiture of between	en \$10-25,	000, or impris	sonment			
purpose Return form to the	ne appropriate Di	IR office an	d bure	au. See in	structi	ons on revers	e for more in	formation.	ended to b	e useu ioi ai	ly other			
(R) 28		F	Route	to DNR B	ıreau:			_						
☐ Verification Only	of Fill and Se	al		rinking Wa	iter		Watershed/W	/astewater	Kemedia	ation/Redeve	lopment			
			v	Vaste Man	ageme	nt 🗌	Other:							
1. Well Location Infor		AA lead	Quality.	NE SH	100	2. Facility	/ Owner Inf	ormation	型可是中	Pla 1519				
County	WI Unique Well Removed Well	# of H	icap#			Facility Name								
Rock	Removed vveii						o (Former)							
Latitude / Longitude (see i	nstructions)	Format C	ode	Method C	ode	Facility ID (F	,							
and an installation of the state of	N. N.	I		GPS		15407425								
				SCF		License/Perr	nit/Monitoring	#						
				ОТН			-							
	F Section	201703001	GAUGH I	1 2	E	Original Well	Owner							
or Gov't Lot#	28	3 0	1 N	13 [W	Descent Moll	0							
Well Street Address						Present Well Robert Ric	The second second							
602 W. Madison Ave							ess of Preser	t Owner						
Well City, Village or Town		(4.)	17. 10.00-027.	ZIP Code			ous St., Apt							
Milton			535			City of Prese			State	ZIP Code				
Subdivision Name			Lot #			Milton	ant Owner		WI	53563				
							iner Scree	en, Casing & Seal	- Washington	TANACOU NO HA DOL	S. 1835			
Reason for Removal from Temporary - Investiga	Service WIU	nique Well #	f of Re	placement	vvell		piping remov			Yes No	N/A			
	Ny				- 100	Liner(s) re				Yes No	N/A			
3. Filled & Sealed We		orenole I Construction			vv()	Liner(s) pe			H,	Yes No	⊠ N/A			
Monitoring Well	10	1121	_	(11111/1/dd/yy /	y y /	Screen re	moved?		一一一	Yes No	₹ N/A			
Water Well			02	(Casing lef	t in place?		\Box	Yes No	₹ N/A			
Borehole / Drillhole	If a Well please a	Constructio	n Repo	ort is availa	able,	Was casin	g cut off belo	w surface?		Yes No	⊠ N/A			
Construction Type:	picaso	itaon.				J	g material rise			Yes No	∏ N/A			
100 FOR CONTRACTOR (100 NO. 10	Driven (Sandpoin	» Г	Dug	-			ial settle after		=	Yes No	□ N/A			
Other (specify): Dire				9		If yes,	was hole ret	opped?		Yes No	□ N/A			
	ect Fusii (Geo	probej						used, were they hydr	ated 🖂	Ves DNe	□ N/A			
Formation Type:	P.		i.e.			with water from a known sale source:								
Unconsolidated Form		Bedroo				Required Method of Placing Sealing Material								
Total Well Depth From Gro		Casing Di	amete	r (in.)		Conductor Pipe-Gravity Conductor Pipe-Pumped								
12 may	· .					Screened & Poured (Bentonite Chips) Other (Explain):								
Lower Drillhole Diameter (in.)	Casing De	epth (ft	t.)		Sealing Mate		_						
225"						Neat C	ement Grout	\bowtie	Concrete					
10.0			1			Sand-0	Cement (Cond	crete) Grout 📉	Bentonite	Chips				
Was well annular space gro		Yes [No	Uni	nown	For Monitorii	ng Wells and	Monitoring Well Éore	holes Only	<i>:</i> :				
If yes, to what depth (feet)	? Dej	th to Water	(feet)			Benton	ite Chips	Bentor	nite - Ceme	ent Grout				
						Granul	ar Bentonite	Bentor	nite - Sand	Slurry				
5. Material Used to Fi	II Well / Drillho	le	18.0	SU ST	74343	From (ft.)	To (ft.)	No Yards Sacks S		Mix Rat				
		May 16 10		G-101		Surface	0.5	Volume (circle	one)	∏ Mud W€	eignt			
Concrete	1.0	(1)	-			O.S	15		F3	da.				
-3/8 DE	Horite	Chib.	>			0.75	12	Ø-1 T	F	dry				
6. Comments	X-mark 1		18 EVE		De la Te	American I		· 和中国区里。		5-9-4-3	H H			
B25														
7. Supervision of Wor	k	ell of the A	VIII-	1530		1.000	Carlotte C		NR Use	Only				
Name of Person or Firm D		ling Licer	nse #	Da	te of Fi	lling & Sealing	or Verification			Noted By				
SCS Enginee						(8/10) (KKI	1							
Street or Route						elephone Num	The second secon	Comments						
2830 Daire	, Drive				()								
City	/	State	10000	Code		Signature of	Person Doing	Work		e Signed				
Madison		WI	15	3718		2	-1	han	1 6	5/18/202	1			

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose Return form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: **Drinking Water** Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Hicap # County Facility Name Removed Well Bob's Citgo (Former) Rock Facility ID (FID or PWS) Format Code Latitude / Longitude (see instructions) Method Code 154074250 **GPS008** DD N License/Permit/Monitoring# SCR002 TOTH001 1/11/4 SW Section Township Original Well Owner Range X-E 04 20 or Gov't Lot # 13 W Present Well Owner Well Street Address Robert Richardson 602 W. Madison Ave Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 507 Campus St., Apt. 7 53563 Milton City of Present Owner ZIP Code State Subdivision Name Lot # 53563 Milton WI 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Investigat Pump and piping removed? No Yes N/A Liner(s) removed? Yes No 3. Filled & Sealed Well / Drillhole / Borehole Information Yes Liner(s) perforated? No N/A Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No S N/A 202 Water Well Casing left in place? STN/A Yes No If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes No X N/A please attach. Construction Type: Did sealing material rise to surface? Yes No N/A Did material settle after 24 hours? Dug Yes ≥ No N/A Drilled Driven (Sandpoint) If yes, was hole retopped? No N/A Yes Other (specify): Direct Push (Geoprobe) If bentonite chips were used, were they hydrated Yes Formation Type: No N/A with water from a known safe source? Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped otal Well Depth From Ground Surface (ft.) Casing Diameter (in.) Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Concrete Sand-Cement (Concrete) Grout Bentonite Chips Was well annular space grouted? Yes No Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No Yards Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft) To (ft) Mud Weight Volume (circle one) 0-5 Surface 0.5 0.4 6. Comments 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) Engines: Street or Route Comments Telephone Number (608)224-2830 State ZIP Code Signature of Person Doing Work Date Signed 3 8

Well / Drillhole / Borehole Filling & Sealing Report

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Form 3300-005 (R 4/2015) Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: **Drinking Water** Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Facility Name County Hicap # Removed Well Bob's Citgo (Former) Rock Facility ID (FID or PWS) Latitude / Longitude (see instructions) Format Code Method Code 154074250 GPS008 DD N License/Permit/Monitoring # **SCR002** DDM W OTH001 1/1/4 SW Section Township Range X E Original Well Owner ME 28 or Gov't Lot # 04 13 W Present Well Owner Well Street Address Robert Richardson 602 W. Madison Ave Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 507 Campus St., Apt. 7 Milton 53563 City of Present Owner State ZIP Code Subdivision Name Lot# Milton WI 53563 4. Pump, Liner, Screen, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Temporary Pump and piping removed? Yes No anly Liner(s) removed? Yes No N/A 3. Filled & Sealed Well / Drillhole / Borehole Information Liner(s) perforated? Yes ٦No Original Construction Date (mm/dd/yyyy) Monitoring Well Screen removed? Yes No >∤N/A 0 18 202 Water Well Casing left in place? If a Well Construction Report is available, X Borehole / Drillhole Was casing cut off below surface? Yes N/A please attach. Did sealing material rise to surface? Yes Yes Construction Type: No N/A **No** Did material settle after 24 hours? Yes N/A Driven (Sandpoint) Drilled Dug If yes, was hole retopped? Yes N/A X Other (specify): Direct Push (Geoprobe) If bentonite chips were used, were they hydrated X Yes Formation Type: No with water from a known safe source? Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Total Well Depth From Ground Surface (ft.) Conductor Pipe-Gravity Conductor Pipe-Pumped Casing Diameter (in.) boring Screened & Poured Other (Explain): (Bentonite Chips) Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials **Neat Cement Grout** Concrete Bentonite Chips Sand-Cement (Concrete) Grout Was well annular space grouted? No Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry Yards Sacks Sealant or Mix Ratio or 5. Material Used to Fill Well / Drillhole From (ft.) To (ft) Volume (circle one) Mud Weight Chips Surface 50 Genton do 6. Comments 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification **Date Received** Noted By Engineers (mm/dd/yyyy) 16/18/2021 SCS Street or Route Telephone Number Comments (608) 224-2830 State ZIP Code Signature of Person Doing Work Date Signed

Appendix B Soil Analytical Report





October 26, 2021

Betty Socha SCS ENGINEERS 2830 Dairy Drive Madison, WI 53718

RE: Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Dear Betty Socha:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

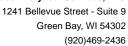
Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436

Jan Miland

Project Manager

Enclosures







CERTIFICATIONS

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Pace Analytical Services Green Bay

North Dakota Certification #: R-150

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40235468001	B21 (12.5-15)	Solid	10/18/21 10:25	10/20/21 07:40
40235468002	B4R (14.5-15)	Solid	10/18/21 10:55	10/20/21 07:40
40235468003	B23 (3-4)	Solid	10/18/21 11:45	10/20/21 07:40
40235468004	B23 (14-14.5)	Solid	10/18/21 11:55	10/20/21 07:40
40235468005	B24 (3-4)	Solid	10/18/21 12:35	10/20/21 07:40
40235468006	B24 (19-20)	Solid	10/18/21 12:40	10/20/21 07:40
40235468007	B25 (3-4)	Solid	10/18/21 15:20	10/20/21 07:40
40235468008	B25 (10-12)	Solid	10/18/21 15:25	10/20/21 07:40
40235468009	B25 (14-15)	Solid	10/18/21 15:30	10/20/21 07:40
40235468010	B22 (8-10)	Solid	10/18/21 16:10	10/20/21 07:40
40235468011	B22 (19-20)	Solid	10/18/21 16:15	10/20/21 07:40
40235468012	TRIP BLANK	Solid	10/18/21 00:00	10/20/21 07:40

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235468001	B21 (12.5-15)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468002	B4R (14.5-15)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468003	B23 (3-4)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468004	B23 (14-14.5)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468005	B24 (3-4)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468006	B24 (19-20)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468007	B25 (3-4)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468008	B25 (10-12)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468009	B25 (14-15)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468010	B22 (8-10)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468011	B22 (19-20)	WI MOD GRO	ALD	9	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235468012	TRIP BLANK	WI MOD GRO	ALD	9	PASI-G

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
			Onno			
0235468001	B21 (12.5-15)					
WI MOD GRO	Benzene	128J	ug/kg	134	10/22/21 00:06	
NI MOD GRO	Ethylbenzene	6010	ug/kg	134	10/22/21 00:06	
WI MOD GRO	Naphthalene	4180	ug/kg	134	10/22/21 00:06	
WI MOD GRO WI MOD GRO	Toluene 1,2,4-Trimethylbenzene	168 20700	ug/kg ug/kg	134 134	10/22/21 00:06 10/22/21 00:06	
WI MOD GRO	1,3,5-Trimethylbenzene	6760	ug/kg ug/kg	134	10/22/21 00:06	
WI MOD GRO	Xylene (Total)	16200	ug/kg ug/kg	401	10/22/21 00:06	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	10/20/21 11:54	
0235468002	B4R (14.5-15)					
VI MOD GRO	Benzene	193	ug/kg	57.0	10/21/21 11:38	
WI MOD GRO	Ethylbenzene	619	ug/kg	57.0	10/21/21 11:38	
WI MOD GRO	Naphthalene	384	ug/kg	57.0	10/21/21 11:38	
WI MOD GRO	1,2,4-Trimethylbenzene	1120	ug/kg	57.0	10/21/21 11:38	
WI MOD GRO	1,3,5-Trimethylbenzene	340	ug/kg	57.0	10/21/21 11:38	
WI MOD GRO	Xylene (Total)	1860	ug/kg	171	10/21/21 11:38	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	10/20/21 11:54	
0235468003	B23 (3-4)					
VI MOD GRO	Benzene	59.5J	ug/kg	65.3	10/21/21 23:14	
ASTM D2974-87	Percent Moisture	16.8	%	0.10	10/20/21 11:54	
0235468004	B23 (14-14.5)					
ASTM D2974-87	Percent Moisture	10.3	%	0.10	10/20/21 11:54	
0235468005	B24 (3-4)					
ASTM D2974-87	Percent Moisture	10.8	%	0.10	10/20/21 11:54	
0235468006	B24 (19-20)					
ASTM D2974-87	Percent Moisture	4.6	%	0.10	10/20/21 11:54	
0235468007	B25 (3-4)					
VI MOD GRO	Ethylbenzene	1050	ug/kg	568	10/21/21 23:40	
WI MOD GRO	Naphthalene	5540	ug/kg	568	10/21/21 23:40	
WI MOD GRO	Toluene	568J	ug/kg	568	10/21/21 23:40	
WI MOD GRO	1,2,4-Trimethylbenzene	5300	ug/kg	568	10/21/21 23:40	
WI MOD GRO	1,3,5-Trimethylbenzene	2860	ug/kg	568	10/21/21 23:40	
NI MOD GRO	Xylene (Total)	3620 5.4	ug/kg %	1710	10/21/21 23:40	
ASTM D2974-87	Percent Moisture	5.4	70	0.10	10/20/21 11:54	
0235468008 WI MOD GRO	B25 (10-12) Ethylbenzene	154	ua/ka	62.0	10/21/21 14:13	
WI MOD GRO WI MOD GRO	Naphthalene	665	ug/kg ug/kg	62.0 62.0	10/21/21 14:13	
WI MOD GRO WI MOD GRO	1,2,4-Trimethylbenzene	400	ug/kg ug/kg	62.0	10/21/21 14:13	
WI MOD GRO	1,3,5-Trimethylbenzene	400 244	ug/kg ug/kg		10/21/21 14:13	
WI MOD GRO	Xylene (Total)	403	ug/kg ug/kg	186	10/21/21 14:13	
ASTM D2974-87	Percent Moisture	19.4	%	0.10	10/20/21 11:54	
0235468009	B25 (14-15)					
VI MOD GRO	Naphthalene	33.4J	ug/kg	54.8	10/21/21 13:47	
		CC. 13	~5,1,8	0 7.0	. 3, = ., = 1 10.11	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



SUMMARY OF DETECTION

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235468009	B25 (14-15)					
WI MOD GRO	1,2,4-Trimethylbenzene	94.8	ug/kg	54.8	10/21/21 13:47	
ASTM D2974-87	Percent Moisture	8.7	%	0.10	10/20/21 11:54	
40235468010	B22 (8-10)					
ASTM D2974-87	Percent Moisture	21.3	%	0.10	10/20/21 11:54	
40235468011	B22 (19-20)					
WI MOD GRO	Benzene	907	ug/kg	487	10/21/21 15:04	
WI MOD GRO	Ethylbenzene	34100	ug/kg	487	10/21/21 15:04	
WI MOD GRO	Methyl-tert-butyl ether	1350	ug/kg	487	10/21/21 15:04	
WI MOD GRO	Naphthalene	12000	ug/kg	487	10/21/21 15:04	
WI MOD GRO	Toluene	32000	ug/kg	487	10/21/21 15:04	
WI MOD GRO	1,2,4-Trimethylbenzene	78200	ug/kg	487	10/21/21 15:04	
WI MOD GRO	1,3,5-Trimethylbenzene	27000	ug/kg	487	10/21/21 15:04	
WI MOD GRO	Xylene (Total)	138000	ug/kg	1460	10/21/21 15:04	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	10/20/21 11:54	



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B21 (12.5-15) Lab ID: 40235468001 Collected: 10/18/21 10:25 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
WIGRO GCV	Analytical	Method: WI I	MOD GRO Pro	eparation N	/lethod	: TPH GRO/PVO	C WI ext.				
	Pace Analytical Services - Green Bay										
Benzene	128J	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	71-43-2			
Ethylbenzene	6010	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	100-41-4			
Methyl-tert-butyl ether	<66.8	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	1634-04-4			
Naphthalene	4180	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	91-20-3			
Toluene	168	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	108-88-3			
1,2,4-Trimethylbenzene	20700	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	95-63-6			
1,3,5-Trimethylbenzene	6760	ug/kg	134	66.8	2.5	10/21/21 08:30	10/22/21 00:06	108-67-8			
Xylene (Total)	16200	ug/kg	401	201	2.5	10/21/21 08:30	10/22/21 00:06	1330-20-7			
Surrogates											
a,a,a-Trifluorotoluene (S)	117	%	80-120		2.5	10/21/21 08:30	10/22/21 00:06	98-08-8			
Percent Moisture	Analytical	Method: AST	M D2974-87								
	Pace Anal	ytical Service	es - Green Bay								
Percent Moisture	6.5	%	0.10	0.10	1		10/20/21 11:54				



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B4R (14.5-15) Lab ID: 40235468002 Collected: 10/18/21 10:55 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	,			•	1ethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay						
Benzene	193	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	71-43-2	
Ethylbenzene	619	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	100-41-4	
Methyl-tert-butyl ether	<28.5	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	1634-04-4	
Naphthalene	384	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	91-20-3	
Toluene	<28.5	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	108-88-3	
1,2,4-Trimethylbenzene	1120	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	95-63-6	
1,3,5-Trimethylbenzene	340	ug/kg	57.0	28.5	1	10/21/21 08:30	10/21/21 11:38	108-67-8	
Xylene (Total)	1860	ug/kg	171	85.5	1	10/21/21 08:30	10/21/21 11:38	1330-20-7	
Surrogates a,a,a-Trifluorotoluene (S)	106	%	80-120		1	10/21/21 08:30	10/21/21 11:38	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay						
Percent Moisture	12.3	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B23 (3-4) Lab ID: 40235468003 Collected: 10/18/21 11:45 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
WIGRO GCV	Analytical	Method: WI	MOD GRO Pi	eparation N	/lethod	: TPH GRO/PVO	C WI ext.					
	Pace Anal	Pace Analytical Services - Green Bay										
Benzene	59.5J	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	71-43-2				
Ethylbenzene	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	100-41-4				
Methyl-tert-butyl ether	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	1634-04-4				
Naphthalene	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	91-20-3				
Toluene	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	108-88-3				
1,2,4-Trimethylbenzene	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	95-63-6				
1,3,5-Trimethylbenzene	<32.6	ug/kg	65.3	32.6	1	10/21/21 08:30	10/21/21 23:14	108-67-8				
Xylene (Total)	<97.9	ug/kg	196	97.9	1	10/21/21 08:30	10/21/21 23:14	1330-20-7				
Surrogates												
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	10/21/21 08:30	10/21/21 23:14	98-08-8				
Percent Moisture	Analytical	Method: AST	M D2974-87									
	Pace Anal	ytical Service	es - Green Bay	/								
Percent Moisture	16.8	%	0.10	0.10	1		10/20/21 11:54					



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B23 (14-14.5) Lab ID: 40235468004 Collected: 10/18/21 11:55 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI I	MOD GRO Pr	eparation N	/lethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay	,					
Benzene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	71-43-2	
Ethylbenzene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	100-41-4	
Methyl-tert-butyl ether	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	1634-04-4	
Naphthalene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	91-20-3	
Toluene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	108-88-3	
1,2,4-Trimethylbenzene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	95-63-6	
1,3,5-Trimethylbenzene	<27.9	ug/kg	55.7	27.9	1	10/21/21 08:30	10/21/21 12:30	108-67-8	
Xylene (Total)	<83.6	ug/kg	167	83.6	1	10/21/21 08:30	10/21/21 12:30	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	10/21/21 08:30	10/21/21 12:30	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay	,					
Percent Moisture	10.3	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B24 (3-4) Lab ID: 40235468005 Collected: 10/18/21 12:35 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pr	eparation N	/lethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay	•					
Benzene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	71-43-2	
Ethylbenzene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	100-41-4	
Methyl-tert-butyl ether	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	1634-04-4	
Naphthalene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	91-20-3	
Toluene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	108-88-3	
1,2,4-Trimethylbenzene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	95-63-6	
1,3,5-Trimethylbenzene	<30.2	ug/kg	60.3	30.2	1	10/21/21 08:30	10/21/21 12:55	108-67-8	
Xylene (Total)	<90.5	ug/kg	181	90.5	1	10/21/21 08:30	10/21/21 12:55	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	10/21/21 08:30	10/21/21 12:55	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay	,					
Percent Moisture	10.8	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B24 (19-20) Lab ID: 40235468006 Collected: 10/18/21 12:40 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pre	eparation N	1ethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	s - Green Bay						
Benzene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	71-43-2	
Ethylbenzene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	100-41-4	
Methyl-tert-butyl ether	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	1634-04-4	
Naphthalene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	91-20-3	
Toluene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	108-88-3	
1,2,4-Trimethylbenzene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	95-63-6	
1,3,5-Trimethylbenzene	<26.2	ug/kg	52.4	26.2	1	10/21/21 08:30	10/21/21 13:21	108-67-8	
Xylene (Total)	<78.6	ug/kg	157	78.6	1	10/21/21 08:30	10/21/21 13:21	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	10/21/21 08:30	10/21/21 13:21	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay						
Percent Moisture	4.6	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B25 (3-4) Lab ID: 40235468007 Collected: 10/18/21 15:20 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pre	eparation N	/lethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	s - Green Bay						
Benzene	<284	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	71-43-2	
Ethylbenzene	1050	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	100-41-4	
Methyl-tert-butyl ether	<284	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	1634-04-4	
Naphthalene	5540	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	91-20-3	
Toluene	568J	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	108-88-3	
1,2,4-Trimethylbenzene	5300	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	95-63-6	
1,3,5-Trimethylbenzene	2860	ug/kg	568	284	10	10/21/21 08:30	10/21/21 23:40	108-67-8	
Xylene (Total)	3620	ug/kg	1710	853	10	10/21/21 08:30	10/21/21 23:40	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		10	10/21/21 08:30	10/21/21 23:40	98-08-8	D3
Percent Moisture	Analytical	Method: AST	M D2974-87						
	•		s - Green Bay						
Percent Moisture	5.4	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B25 (10-12) Lab ID: 40235468008 Collected: 10/18/21 15:25 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pr	eparation N	1ethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay	/					
Benzene	<31.0	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	71-43-2	
Ethylbenzene	154	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	100-41-4	
Methyl-tert-butyl ether	<31.0	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	1634-04-4	
Naphthalene	665	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	91-20-3	
Toluene	<31.0	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	108-88-3	
1,2,4-Trimethylbenzene	400	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	95-63-6	
1,3,5-Trimethylbenzene	244	ug/kg	62.0	31.0	1	10/21/21 08:30	10/21/21 14:13	108-67-8	
Xylene (Total)	403	ug/kg	186	93.1	1	10/21/21 08:30	10/21/21 14:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	112	%	80-120		1	10/21/21 08:30	10/21/21 14:13	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay	/					
Percent Moisture	19.4	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B25 (14-15) Lab ID: 40235468009 Collected: 10/18/21 15:30 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pro	eparation N	1ethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay						
Benzene	<27.4	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	71-43-2	
Ethylbenzene	<27.4	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	100-41-4	
Methyl-tert-butyl ether	<27.4	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	1634-04-4	
Naphthalene	33.4J	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	91-20-3	
Toluene	<27.4	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	108-88-3	
1,2,4-Trimethylbenzene	94.8	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	95-63-6	
1,3,5-Trimethylbenzene	<27.4	ug/kg	54.8	27.4	1	10/21/21 08:30	10/21/21 13:47	108-67-8	
Xylene (Total)	<82.2	ug/kg	164	82.2	1	10/21/21 08:30	10/21/21 13:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	10/21/21 08:30	10/21/21 13:47	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay						
Percent Moisture	8.7	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B22 (8-10) Lab ID: 40235468010 Collected: 10/18/21 16:10 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI I	MOD GRO Pr	eparation N	1ethod	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay	,					
Benzene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	71-43-2	
Ethylbenzene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	100-41-4	
Methyl-tert-butyl ether	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	1634-04-4	
Naphthalene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	91-20-3	
Toluene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	108-88-3	
1,2,4-Trimethylbenzene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	95-63-6	
1,3,5-Trimethylbenzene	<31.8	ug/kg	63.6	31.8	1	10/21/21 08:30	10/21/21 18:05	108-67-8	
Xylene (Total)	<95.3	ug/kg	191	95.3	1	10/21/21 08:30	10/21/21 18:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	10/21/21 08:30	10/21/21 18:05	98-08-8	
Percent Moisture	Analytical	Method: AST	M D2974-87						
	Pace Anal	ytical Service	es - Green Bay	,					
Percent Moisture	21.3	%	0.10	0.10	1		10/20/21 11:54		



Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: B22 (19-20) Lab ID: 40235468011 Collected: 10/18/21 16:15 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pre	paration N	/lethod	I: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay						
Benzene	907	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	71-43-2	
Ethylbenzene	34100	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	100-41-4	
Methyl-tert-butyl ether	1350	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	1634-04-4	
Naphthalene	12000	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	91-20-3	
Toluene	32000	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	108-88-3	
1,2,4-Trimethylbenzene	78200	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	95-63-6	
1,3,5-Trimethylbenzene	27000	ug/kg	487	243	8	10/21/21 08:30	10/21/21 15:04	108-67-8	
Xylene (Total)	138000	ug/kg	1460	730	8	10/21/21 08:30	10/21/21 15:04	1330-20-7	
Surrogates a,a,a-Trifluorotoluene (S)	104	%	80-120		8	10/21/21 08:30	10/21/21 15:04	98-08-8	
Percent Moisture	Analytical	Method: AST	TM D2974-87						
	Pace Anal	ytical Service	es - Green Bay						
Percent Moisture	17.8	%	0.10	0.10	1		10/20/21 11:54		

(920)469-2436



ANALYTICAL RESULTS

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Sample: TRIP BLANK Lab ID: 40235468012 Collected: 10/18/21 00:00 Received: 10/20/21 07:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pr	eparation N	/lethoc	: TPH GRO/PVO	C WI ext.		
	Pace Anal	ytical Service	es - Green Bay	,					
Benzene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	71-43-2	
Ethylbenzene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	1634-04-4	
Naphthalene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	91-20-3	
Toluene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	108-88-3	
1,2,4-Trimethylbenzene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	50.0	25.0	1	10/21/21 08:30	10/21/21 21:57	108-67-8	
Xylene (Total)	<75.0	ug/kg	150	75.0	1	10/21/21 08:30	10/21/21 21:57	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	10/21/21 08:30	10/21/21 21:57	98-08-8	



QUALITY CONTROL DATA

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

QC Batch: 399218 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235468001, 40235468002, 40235468003, 40235468004, 40235468005, 40235468006, 40235468007,

 $40235468008,\,40235468009,\,40235468010,\,40235468011,\,40235468012$

METHOD BLANK: 2304960 Matrix: Solid

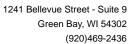
Associated Lab Samples: 40235468001, 40235468002, 40235468003, 40235468004, 40235468005, 40235468006, 40235468007,

40235468008, 40235468009, 40235468010, 40235468011, 40235468012

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	10/21/21 09:51	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	10/21/21 09:51	
Benzene	ug/kg	<25.0	50.0	10/21/21 09:51	
Ethylbenzene	ug/kg	<25.0	50.0	10/21/21 09:51	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	10/21/21 09:51	
Naphthalene	ug/kg	<25.0	50.0	10/21/21 09:51	
Toluene	ug/kg	<25.0	50.0	10/21/21 09:51	
Xylene (Total)	ug/kg	<75.0	150	10/21/21 09:51	
a,a,a-Trifluorotoluene (S)	%	102	80-120	10/21/21 09:51	

LABORATORY CONTROL SAMPLE	& LCSD: 2304961		23	304962						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1080	1130	108	113	80-120	5	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1130	107	113	80-120	5	20	
Benzene	ug/kg	1000	1080	1100	108	110	80-120	2	20	
Ethylbenzene	ug/kg	1000	1100	1180	110	118	80-120	7	20	
Methyl-tert-butyl ether	ug/kg	1000	927	936	93	94	80-120	1	20	
Naphthalene	ug/kg	1000	959	995	96	99	80-120	4	20	
Toluene	ug/kg	1000	1060	1090	106	109	80-120	3	20	
Xylene (Total)	ug/kg	3000	3240	3450	108	115	80-120	6	20	
a,a,a-Trifluorotoluene (S)	%				103	102	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





QUALITY CONTROL DATA

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

QC Batch: 399120 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235468001, 40235468002, 40235468003, 40235468004, 40235468005, 40235468006, 40235468007,

40235468008, 40235468009, 40235468010, 40235468011

SAMPLE DUPLICATE: 2304518

Date: 10/26/2021 01:58 PM

		40235468006	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	4.6	4.8	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 10/26/2021 01:58 PM

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25221172 BOB'S CITGO

Pace Project No.: 40235468

Date: 10/26/2021 01:58 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235468001	B21 (12.5-15)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468002	B4R (14.5-15)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468003	B23 (3-4)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468004	B23 (14-14.5)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468005	B24 (3-4)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468006	B24 (19-20)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468007	B25 (3-4)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468008	B25 (10-12)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468009	B25 (14-15)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468010	B22 (8-10)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468011	B22 (19-20)	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468012	TRIP BLANK	TPH GRO/PVOC WI ext.	399218	WI MOD GRO	399240
40235468001	B21 (12.5-15)	ASTM D2974-87	399120		
40235468002	B4R (14.5-15)	ASTM D2974-87	399120		
40235468003	B23 (3-4)	ASTM D2974-87	399120		
40235468004	B23 (14-14.5)	ASTM D2974-87	399120		
40235468005	B24 (3-4)	ASTM D2974-87	399120		
40235468006	B24 (19-20)	ASTM D2974-87	399120		
40235468007	B25 (3-4)	ASTM D2974-87	399120		
40235468008	B25 (10-12)	ASTM D2974-87	399120		
40235468009	B25 (14-15)	ASTM D2974-87	399120		
40235468010	B22 (8-10)	ASTM D2974-87	399120		
40235468011	B22 (19-20)	ASTM D2974-87	399120		

(Please Print Clearly)		UPPER MIDWEST RI		Page 1 of
Company Name: SCS Engineers	7 <i>/ (</i> /	MN: 612-607-1700	WI: 920-469-2436	125111 X
Branch/Location: Madison, WI	Pace Analytical®		400	12468
Project Contact: Betty Socha	www.pacelabs.com	•	Quote #:	
Phone: (608) 212 - 6664	CHAIN OF C	USTODY	Mail To Contact:	
Project Number: 25221172	1	I Water F=Methanol G=NaOH	Mail To Company:	
Project Name: Bob's Cityo	H=Sodium Bisulfate Solution I=Sodium Thiosu	ifate J=Other	Mail To Address:	
Project State: WI	FILTERED? (YES/NO)			
Sampled By (Print): Jacob Krowse	PRESERVATION Pick A/F		Invoice To Contact:	
Sampled By (Sign):	o lava		Invoice To Company:	
PO #: Regulatory Program:			Invoice To Address:	
(billable)	atrix Codes W=Water			
EPA Level III On your sample B = Biota C = Charcoal	GW = Ground Water		Invoice To Phone:	
your sample S = Soil Si = Sludge	WW = Waste Water WP = Wipe		CLIENT LAB C	OMMENTS Profile #
PACE LAB # CLIENT FIELD ID COL	TIME MATRIX			Use Only)
	2 10:28 S ×			
002 BYR (14.5-15)	19:22			
003 B23 (3-4)	11:45			
OOY B23 (14-14.5)	11:55			
OOS B24 (3-4)	12:35			
006 324 (19-20)	12:40			
007 325 (3-4)	15:20 ×			
OUF B25 (10-12)	15:25 X			
009 B25 (14-15)	15:36 ×			
010 R22 (8-10)	16:10			
OII R22 (19-20) 1	16:17 1/2			·
az TRIP BLANK		1 1 7	ne trip black provided	
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C019a(27Jun2006)		· · · · · · · · · · · · · · · · · · ·		Version 06/14/06 ORIGINAL

Sample Preservation Receipt Form SCS Green Bay, WI 54302 Client Name: All containers needing preservation have been checked and noted below: □Yes □No □N/A Initial when Date/ completed: Time: Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): 8 /OA Vials (>6mm) laOH+Zn Act pH adjusted Glass **Plastic** Vials Jars General 12SO4 pH ≤2 VaOH pH≥12 Volume pH ≤2 (mL) WGFU AG5U WPFU AG10 AG1H AG2S BP1U VG9A VG9M VG9D **BG3U BP3U BP3B BP3N BP3S** VG9U VG9H JGFU JG9D ZPLC SP5T DG9T Pace S S S Lab# 001 2.5 / 5 / 10 002 2.5/5/10 003 2.5 / 5 / 10 004 2.5/5/10 .005 2.5 / 5 / 10 006 25/5/10 007 2.5 / 5 / 10 008 2.5/5/10 009 2.5 / 5 / 10 010 2.5/5/10 011 2.5 / 5 / 10 012 2.5/5/10 013 2.5 / 5 / 10 014 2.5/5/10 015 2.5/5/10 016 2.5/5/10 017 2.5 / 5 / 10 018 2.5/5/10 019 2.5 / 5 / 10 020 2.5/5/10 Headspace in VOA Vials (>6mm): □Yes □No ☑N/A *If yes look in headspace column Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: AG1U 1 liter amber glass BP1U 1 liter plastic unpres 4 oz amber jar unpres VG9A 40 mL clear ascorbic **JGFU** BG1U 1 liter clear glass BP3U 250 mL plastic unpres DG9T 40 mL amber Na Thio JG9U 9 oz amber jar unpres AG1H 1 liter amber glass HCL BP3B 250 mL plastic NaOH VG9U WGFU 4 oz clear jar unpres 40 mL clear vial unpres AG4S 125 mL amber glass H2SO4 **BP3N** 250 mL plastic HNO3 VG9H 40 mL clear vial HCL **WPFU** 4 oz plastic jar unpres AG4U 120 mL amber glass unpres BP3S 250 mL plastic H2SO4 VG9M 120 mL plastic Na Thiosulfate 40 mL clear vial MeOH SP5T AG5U 100 mL amber glass unpres **ZPLC** VG9D 40 mL clear vial DI ziploc bag AG2S 500 mL amber glass H2SO4 GN BG3U 250 mL clear glass unpres

Pace Analytical®
1241 Bellevue Street Green Bay WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.: ENV-FRM-GBAY-0014-Rev.00 Document Revised: 26Mar2020

Author:

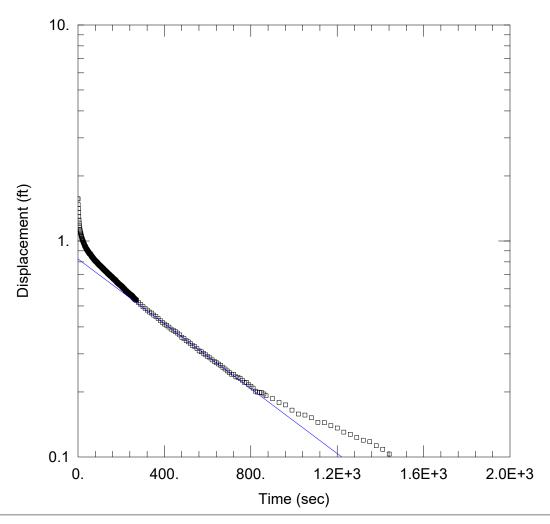
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

<u> </u>	Project #:		
Client Name: SCS		MO# · A	10235468
Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ V	Valtco	WOTH -	TUZ33TUU
Client Pace Other:			
Tracking #:	_	40235468	
Custody Seal on Cooler/Box Present: yes no Seals intact		L	
The second secon	: 🗌 yes 🔲 no		
Packing Material: Bubble Wrap Bubble Bags Non	\		
Thermometer Used SR - 110 Type of Ice: Wet	Blue Dry None	Samples or	n ice, cooling process has begun Person examining contents:
Cooler Temperature Uncorr: O /Corr: O	T: :- F	l	
• • • • • • • • • • • • • • • • • • • •	Tissue is Frozen:	Liyes∎i⊓o	Date 10120121/Initials
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.			Labeled By Initials:
Chain of Custody Present: ☐Yes ☐No ☐N/A	1.		
Chain of Custody Filled Out: □Yes ☑No □N/A	2mailinvo	ice patt	(dro1012x b)
Chain of Custody Relinquished: ☐Yes ☐No ☐N/A	1	10 3 11	
Sampler Name & Signature on COC: ✓ Yes ☐No ☐N/A	4.		
Samples Arrived within Hold Time: ☐Yes ☐No	5.		
- VOA Samples frozen upon receipt	Date/Time:		
Short Hold Time Analysis (<72hr): □Yes □No	6.		
Rush Turn Around Time Requested:	7.		
Sufficient Volume:	8.		
For Analysis: Yes ONO MS/MSD: OYes NO ON/A			
Correct Containers Used: ☐Yes ☐No	9.		
-Pace Containers Used: To Yes □No □N/A			
-Pace IR Containers Used: □Yes □No ☑N/A			
Containers Intact: -UYes □No	10.		
Filtered volume received for Dissolved tests	11.		
Sample Labels match COC: ✓ Yes □No □N/A	12.		
-Includes date/time/ID/Analysis Matrix:		····	
Trip Blank Present: ☐Yes ☐No ☐N/A	13.		
Trip Blank Custody Seals Present □Yes □No □N/A	,		
Pace Trip Blank Lot # (if purchased): Bpo 50 IV B	<u> </u>		
Client Notification/ Resolution: Person Contacted: Date/		checked, see attach	ned form for additional comments
Comments/ Resolution:	rinio.	***************************************	

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logic

Appendix C Slug Test Results



Data Set: I:\25221172.00\Data and Calculations\Slug Test Data\BobsCitgoMW1.aqt

Date: 12/08/21 Time: 12:20:20

PROJECT INFORMATION

Company: SCS Engineers Client: Former Bob's Citgo Project: 25221172.00 Location: Milton, WI Test Well: MW1

Test Date: 10/19/2021

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW1)

Initial Displacement: 1.567 ft

Total Well Penetration Depth: 8.84 ft

Casing Radius: 0.08333 ft

Static Water Column Height: 8.84 ft

Screen Length: 8.84 ft Well Radius: 0.35 ft

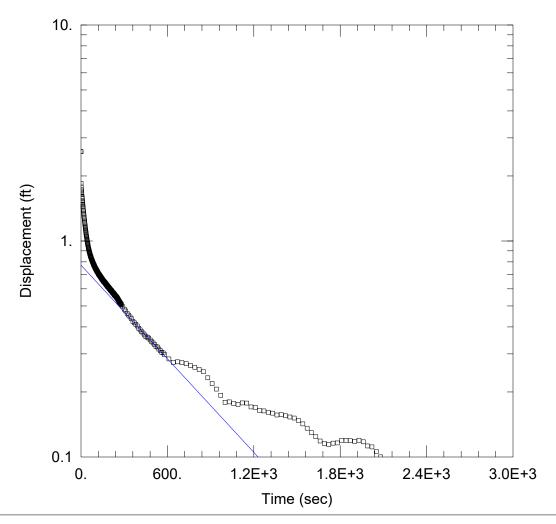
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.000208 cm/secy0 = 0.8255 ft



Data Set: I:\25221172.00\Data and Calculations\Slug Test Data\BobsCitgoMW2.aqt

Date: 12/08/21 Time: 12:36:45

PROJECT INFORMATION

Company: SCS Engineers Client: Former Bob's Citgo Project: 25221172.00 Location: Milton, WI Test Well: MW2

Test Date: 10/19/2021

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW2)

Initial Displacement: 2.591 ft

Total Well Penetration Depth: 11.69 ft

Casing Radius: 0.08333 ft

Static Water Column Height: 11.69 ft

Screen Length: 11.69 ft Well Radius: 0.35 ft Gravel Pack Porosity: 0.25

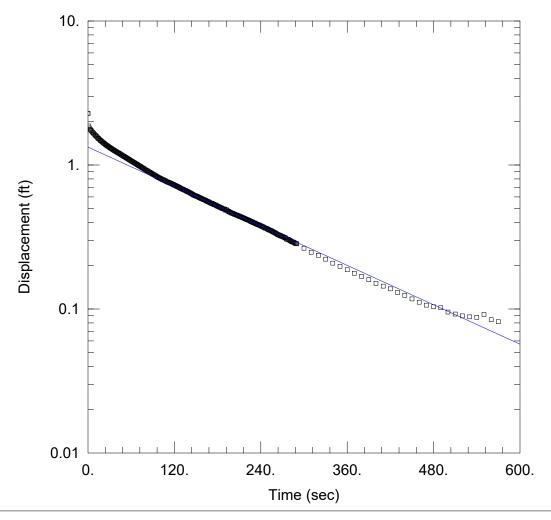
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.0001694 cm/sec

y0 = 0.7726 ft



Data Set: I:\25221172.00\Data and Calculations\Slug Test Data\BobsCitgoMW3.aqt

Date: 12/08/21 Time: 12:24:27

PROJECT INFORMATION

Company: SCS Engineers Client: Former Bob's Citgo Project: 25221172.00 Location: Milton, WI Test Well: MW3

Test Date: 10/19/2021

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW3)

Initial Displacement: 2.282 ft

Total Well Penetration Depth: 10.26 ft

Static Water Column Height: 10.26 ft

Screen Length: 10.26 ft Well Radius: 0.35 ft

Casing Radius: 0.08333 ft

Gravel Pack Porosity: 0.25

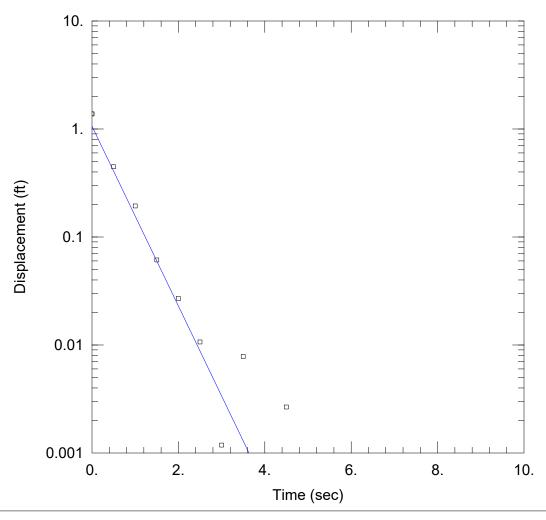
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.0005791 cm/sec

y0 = 1.33 ft



Data Set: I:\25221172.00\Data and Calculations\Slug Test Data\BobsCitgoMW10.aqt

Date: 12/08/21 Time: 12:14:04

PROJECT INFORMATION

Company: SCS Engineers
Client: Former Bob's Citgo
Project: 25221172.00
Location: Milton, WI
Test Well: MW10
Test Date: 10/19/2021

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW10)

Initial Displacement: 1.378 ft

Total Well Penetration Depth: 11.21 ft

Casing Radius: 0.08333 ft

Static Water Column Height: 11.21 ft

Screen Length: 11.21 ft
Well Radius: 0.35 ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.2003 cm/sec y0 = 1.061 ft