

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.

Well ID MW14

Original Record  Correction  Change in Well Ust

<b>1 LOCATION OF WATER WELL:</b> County <u>Harvey</u>	Fraction SE ¼ SE ¼ NE ¼ SE ¼	Section Number <u>13</u>	Township Number T <u>23</u>	Range Number S <u>R 1</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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<b>2 WELL OWNER:</b> Last Name: _____ First: _____ Business: <u>Kansas Department of Health &amp; Environment</u> Address: <u>1000 SW Jackson St</u> Address: _____ City: <u>Topeka</u> State: <u>KS</u> ZIP: <u>66612</u>	Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/> <u>401 N Meridian Rd, Newton, KS 67114</u>
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**3 LOCATE WELL WITH "X" IN SECTION BOX:**

N

NW	NE	E
W	SE	X
SW	S	S

S

----- 1 mile -----

**4 DEPTH OF COMPLETED WELL:** 20.5 ft  
Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft  
2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4)  Dry Well  
WELL'S STATIC WATER LEVEL: 16.32 ft.  
 below land surface, measured on (mo-day-yr) 09/14/17  
 above land surface, measured on (mo-day-yr) \_\_\_\_\_  
Pump test data: Well water was \_\_\_\_\_ ft  
after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
Water well was \_\_\_\_\_ ft  
after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
Estimated Yield: \_\_\_\_\_ gpm  
Bore Hole Diameter: 7.25 in to \_\_\_\_\_ ft, and  
\_\_\_\_\_ in to \_\_\_\_\_ ft

**5 Latitude:** 38.04755 (decimal degrees)  
**Longitude:** 97.37215 (decimal degrees)  
Horizontal Datum:  WGS 84  NAD 83  NAD 27  
Source for Latitude/Longitude:  
 GPS (unit make/model: \_\_\_\_\_)  
(WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper

**6 Elevation:** 1440.02 ft  Ground Level  TOC  
Source:  Land Survey  GPS  Topographic Map  
 Other \_\_\_\_\_

**7 WELL WATER TO BE USED AS:**

1 Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	2 <input type="checkbox"/> Irrigation 3 <input type="checkbox"/> Feedlot 4 <input type="checkbox"/> Industrial	5 <input type="checkbox"/> Public Water Supply: well ID _____ 6 <input type="checkbox"/> Dewatering: how many wells? _____ 7 <input type="checkbox"/> Aquifer Recharge: well ID _____ 8 <input checked="" type="checkbox"/> Monitoring: well ID <u>MW14</u> 9 Environmental Remediation: well ID _____ <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extractor <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10 <input type="checkbox"/> Oil Field Water Supply: lease _____ 11 Test Hole: well ID _____ <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12 Geothermal: How many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water <input type="checkbox"/> Other (specify): _____
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**Was a chemical/bacteriological sample submitted to KDHE?**  Yes  No If yes, date sample was submitted: \_\_\_\_\_  
Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other \_\_\_\_\_ CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter 2 in. to 10.5 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft,  
Casing height above land surface -0.33 in. Weight \_\_\_\_\_ lbs./ft. Well thickness or gauge No \_\_\_\_\_  
**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) \_\_\_\_\_  
 Brass  Galvanized Steel  Concrete tile  None used (open hole)  
**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous Slot  Mill Slot  Gauze Wrapped  Torch Cut  Drilled Holes  Other (Specify) \_\_\_\_\_  
 Louvered Shutter  Key Punched  Wire Wrapped  Saw Cut  None (Open Hole)  
**SCREEN-PERFORATED INTERVALS:** From 10.5 ft. to 20.5 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
**GRAVEL PACK INTERVALS:** From 8 ft. to 20.5 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other Concrete: 0-0.5'  
Grout intervals: From 0.5 ft. to 8 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Nearest source of possible contamination:**  
 Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage  
 Sewer Lines  Cess Pool  Sewage Lagoon  Fuel Storage  Abandoned Water Well  
 Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well / Gas Well  
 Other (Specify) \_\_\_\_\_  
Direction from well? SE Distance from well? ~310 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.4	Concrete			
0.4	20.5	Silty clay			

**Notes: KDHE ID: Taylor Petroleum #613; U2-040-13913**  
Target of monitoring well is shallow groundwater. <20' of grout was installed at the direction of KDHE.

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) 9/6/17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 9/27/17 under the business name of Larsen & Associates, Inc. Signature \_\_\_\_\_

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

Jessica Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> Street, Suite B  
Lawrence, Kansas, 66046

September 22, 2017

RE: Monitor Well Elevation Survey  
1804 W. 4<sup>th</sup> St., Newton, Kansas

Proj. 17-00CC  
Taylor Petroleum #613  
U2-040-13913

Bench Mark: Chisled X on sidewalk at the SW corner of the building.  
Elev: 1440.48      North 1407.27      West 4843.75      (from SE Cor. Sec. 18-23-1E)

MW-13	rim	1442.06	North	1598.13	SE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1441.72	West	4328.96	Lat= 38.04742    Long = 97.37164
MW-14	rim	1440.35	North	1644.00	SE1/4,SE1/4,NE1/4,SE1/4 (Sec. 13-23-1W)
	top pipe	1440.02	West	4979.32	Lat= 38.04755    Long = 97.37215
MW-15	rim	1440.94	North	1709.87	NE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1440.54	West	4835.23	Lat= 38.04773    Long = 97.37165
MW-16	rim	1441.22	North	1557.53	SE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1440.82	West	4851.60	Lat= 38.04731    Long = 97.37172
MW-17	rim	1440.31	North	1607.00	SE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1440.04	West	4626.57	Lat= 38.04716    Long = 97.37095

Lat & Long derived existing Newton 7.5' quad map. WGS 84.

Elevation established from existing well project.

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OCT 12 2017

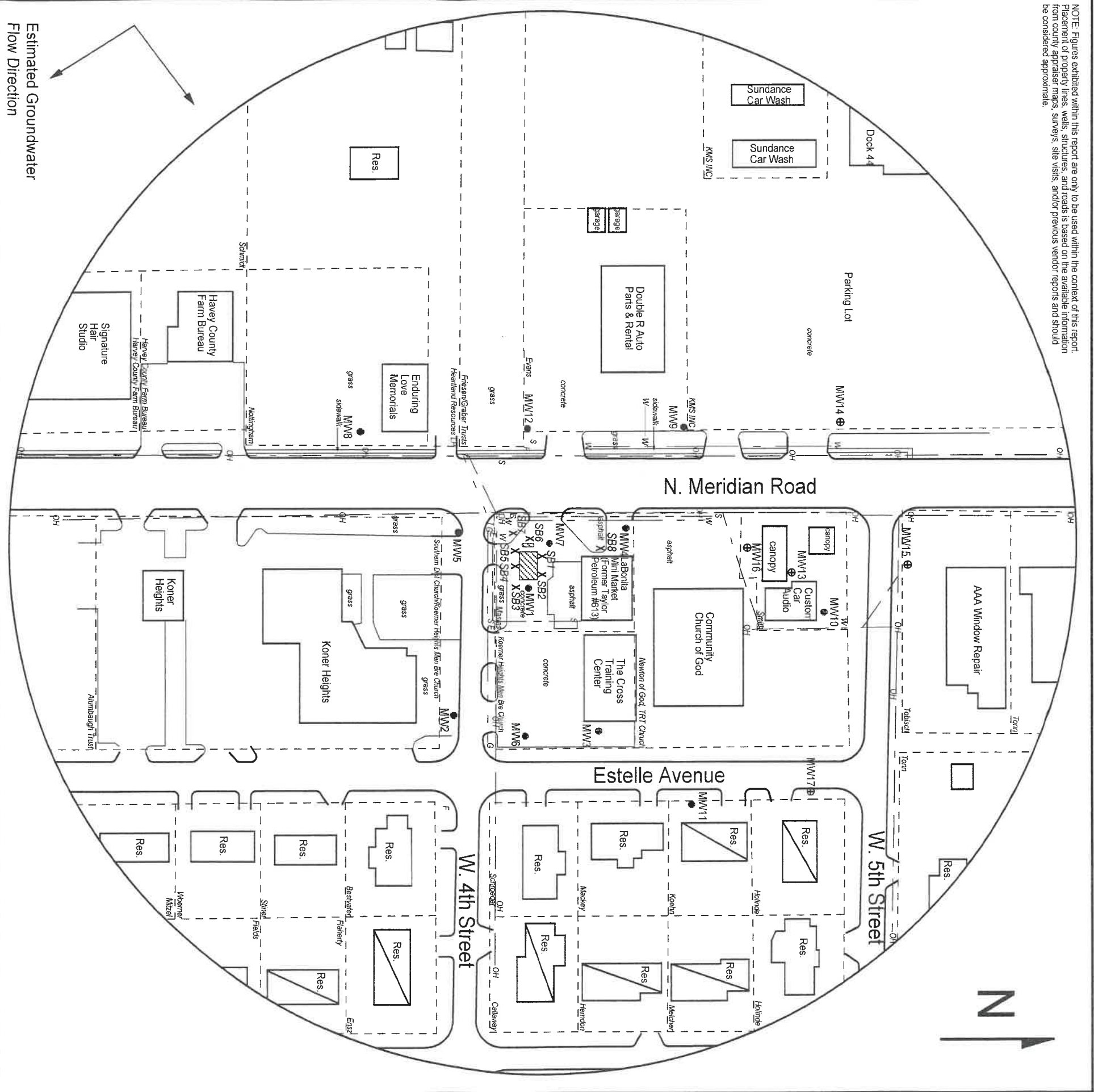
BUREAU OF WATER

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

September 22, 2017  
Dennis L Handke RLS

*Dennis L Handke*  
KANSAS  
LAND SURVEYOR

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.



**FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP**

1311 E 25th St., Suite B  
Lawrence, KS 66046

785-841-8707 office  
785-865-4282 fax

**PROJECT:**  
Taylor Petroleum #613  
1804 W. 4th  
Newton, KS  
KDHEID: U2-040-13913  
Date: 9/14/17

**RECEIVED**

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**LEGEND**

- Approximate Location of Former UST Basin
- Building with Basement
- Approximate Location of Property Line
- Existing Monitoring Well
- Monitoring Well (Installed 9/5-6/17)
- Soil Boring (Drilled 8/30-31/16)
- Fire Hydrant
- Electric Lines (1.5 - 3 ft bgs)
- Gas Lines (1.5 - 3 ft bgs)
- Overhead Lines (25-40' high)
- Sewer Inlet (2 - 6 ft bgs)
- Telephone Lines (2 - 6 ft bgs)
- Water Lines (2 - 6 ft bgs)

NOTE: Data for SB1-SB6 and MW7 was collected on 8/29-31/16.  
Data for MW13 and MW16 was collected on 9/5/17.  
NOTE: Utility depths, heights and locations are approximate.  
NOTE: Approximate location of pump islands and product lines is unknown.