

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

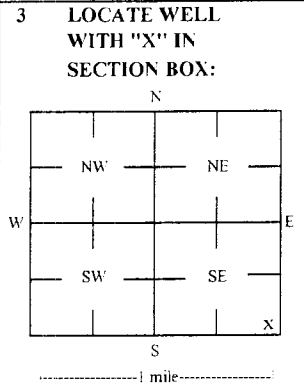
Well ID

MW8R

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Newton HARVEY (Del) Fraction NW 1/4 SE 1/4 SE 1/4 SE 1/4 Section Number 16 Township Number T 23 S Range Number R 1 E W

2 WELL OWNER: Last Name: Newell First: Kerry Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 200 Manchester, Newton, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 15 ft. Depth(s) Groundwater Encountered: 1) 15 ft. 2) ... 3) ... 4) Dry Well. WELLS STATIC WATER LEVEL: 7.14 ft. below land surface, measured on (mo-day-yr) 8/27/2018.

5 Latitude: 38.04402 (decimal degrees) Longitude: 97.31970 (decimal degrees) Horizontal Datum: [X] WGS 84 [] NAD 83 [] NAD 27 Source for Latitude/Longitude: [X] GPS (unit make/model:) (WAAS enabled? [] Yes [] No) [X] Land Survey [] Topographic Map [] Online Mapper

6 Elevation: 1470.29 ft [] Ground Level [X] TOC Source: [X] Land Survey [] GPS [] Topographic Map [] Other

7 WELL WATER TO BE USED AS: 1 Domestic: [] Household [] Lawn & Garden [] Livestock [] Irrigation [] Feedlot [] Industrial 2 Public Water Supply: well ID 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID 5 Monitoring: well ID MW8R 6 Environmental Remediation: well ID 7 Air Sparge [] Soil Vapor Extractor [] Recovery [] Injection 8 Oil Field Water Supply: lease 9 Test Hole: well ID [] Cased [] Uncased [] Geotechnical 10 Geothermal: How many bores? a) Closed Loop [] Horizontal [] Vertical b) Open Loop [] Surface Discharge [] Inj. of Water [] Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? [] Yes [X] No If yes, date sample was submitted: Water well disinfected? [] Yes [X] No

8 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded Casing diameter 2 in. to 5 ft. Diameter in. to ft. Casing height above land surface -0.54 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) [] Other (Specify) SCREEN OR PERFORATION OPENINGS ARE: [] Continuous Slot [X] 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 5 ft. to 15 ft. GRAVEL PACK INTERVALS: From 3 ft. to 15 ft.

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 3 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 [X] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well / Gas Well [] Other (Specify) Direction from well? NW Distance from well? ~125 ft

Table with 5 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Gravel/topsoil, Silty clay, Silty sandy clay, Sand, some clay, Limestone, possibly sandstone, Weathered shale.

Notes: KDHE ID: Newe ll Oil Company; U2-040-10398 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 [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo-day-year) 8/7/18 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) 8/30/18 under the business name of Larsen & Associates, Inc. Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, 6275 Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

HARVEY

NW SE SE SE
SW SE SE SE

16 23S R1E

RECEIVED

OCT 01 2018

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.

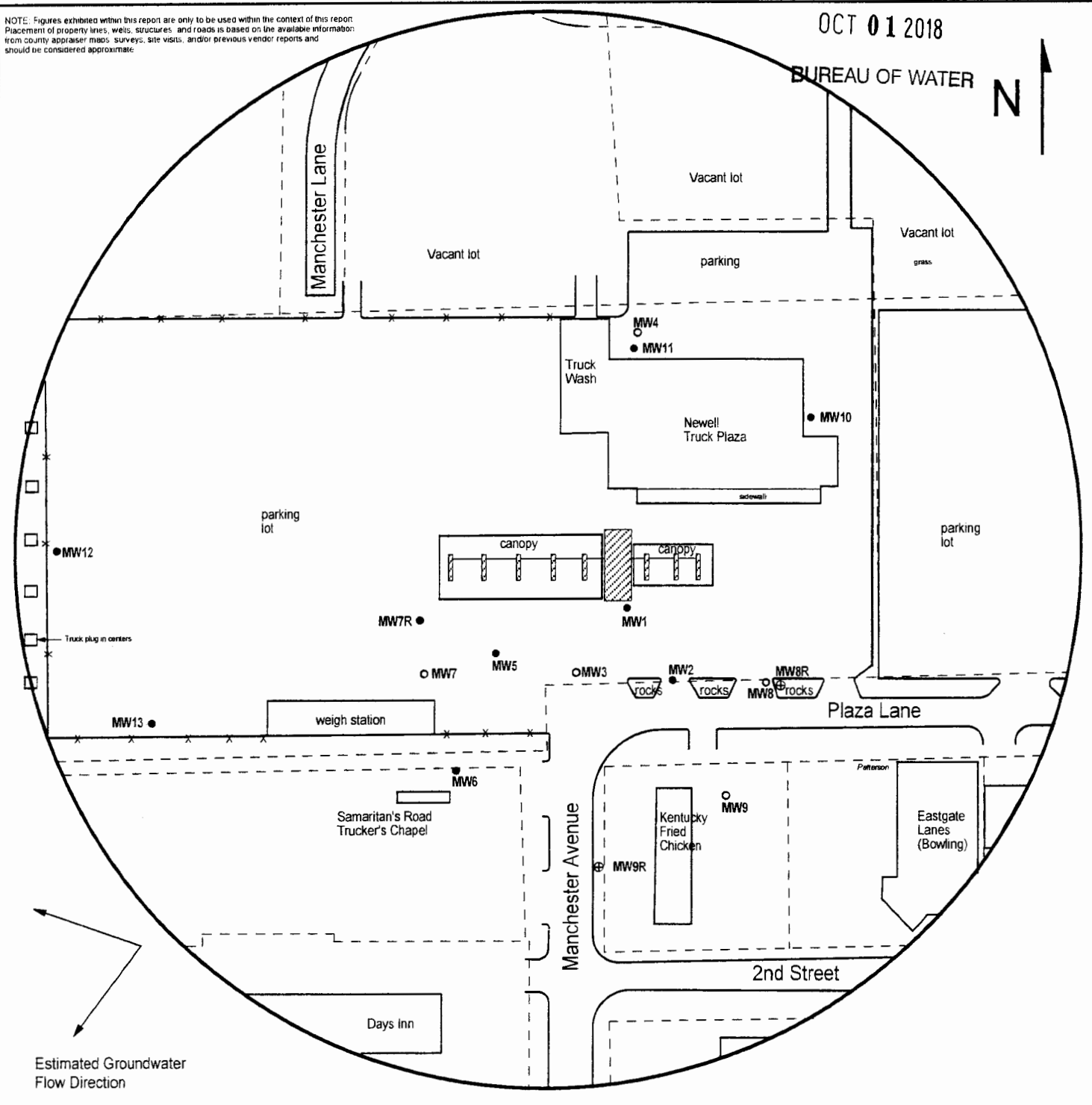


FIGURE 1 - AREA BASE MAP

LEGEND

- Approximate Location of Active UST Basin, Pump Islands, & Product Lines
- Approximate Location of Property Line
- Monitoring Well
- Plugged Monitoring Well
- Monitoring Well (Installed 8/7/18)
- Overhead Lines (25-40 ft high)



PROJECT:
 Newell Oil Company
 200 Manchester
 Newton, KS
 KDHE ID: U2-040-10398
 Date: 8/7/18



1311 E 25th St., Suite B (785) 841-8707 office
 Lawrence, KS 66046 (785) 865-4282 fax

Survey

NEWELL

16-23-1E

SEC 10 19 1E

DENNIS L HANDKE

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

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

August 28, 2018

RE: Monitor Well Elevation Survey
200 Manchester, Newton, Kansas

Proj. 18-00Y
Newell Oil Company
U2-040-10398

Bench Mark: "M" in Mueller on fire hydrant at SW Corner of Manchester and Plaza Lane.
Elev: 1472.39 North 387.73 West 613.72 (from SE Cor. Sec. 16-23-1E)

MW-8R	rim	1470.83	North	439.65	NW1/4,SE1/4,SE1/4,SE1/4
	top pipe	1470.29	West	400.33	Lat= 38.04402 Long = 97.31970
MW-9R	rim	1469.40	North	278.05	SW1/4,SE1/4,SE1/4,SE1/4
	top pipe	1469.17	West	562.05	Lat= 38.04357 Long = 97.32026

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

Elevation established from existing well project.

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

August 28, 2018
Dennis L Handke RLS
LS-726
Dennis L Handke
KANSAS
LAND SURVEYOR

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OCT 01 2018

BUREAU OF WATER