

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

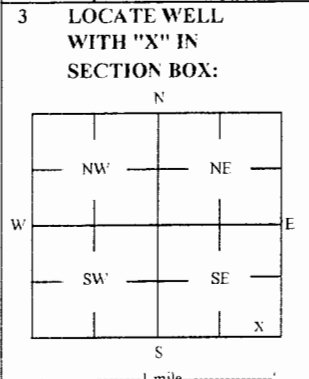
Well ID

MW9R

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Newton HARVEY Fraction SW 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): 1500 E 2nd St., 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) 6.6 ft 3) Dry Well WELL'S STATIC WATER LEVEL: 6.6 ft below land surface, measured on (mo-day-yr) 8/27/2018

5 Latitude: 38.04357 (decimal degrees) Longitude: 97.32026 (decimal degrees) Horizontal Datum: X WGS 84 GPS (unit make/model):

6 Elevation 1469.17 ft Ground Level X TOC Source X Land Survey GPS Topographic Map

7 WELL WATER TO BE USED AS: 1 Domestic: Household, Lawn & Garden, Livestock, Irrigation, Feedlot, Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MW9R 9 Environmental Remediation: well ID Air Sparge, Soil Vapor Extractor, Recovery, Injection 10 Oil Field Water Supply: lease 11 Test Hole: well ID Cased, Uncased, Geotechnical 12 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 No X No If yes, date sample was submitted: Water well disinfected? Yes No 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. Diameter in. to ft. Casing height above land surface -0.23 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) 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. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 3 ft. to 15 ft. From ft. to ft. From ft. to 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? N Distance from well? ~250 ft

Table with columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.5 Grass/topsoil, 0.5-5 Silty clay, 5-10 Silty clay, trace sand, 10-13.5 Limestone, possibly cobbles, 13.5-15 Weathered shale

Notes: KDHE ID: Newell 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

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.

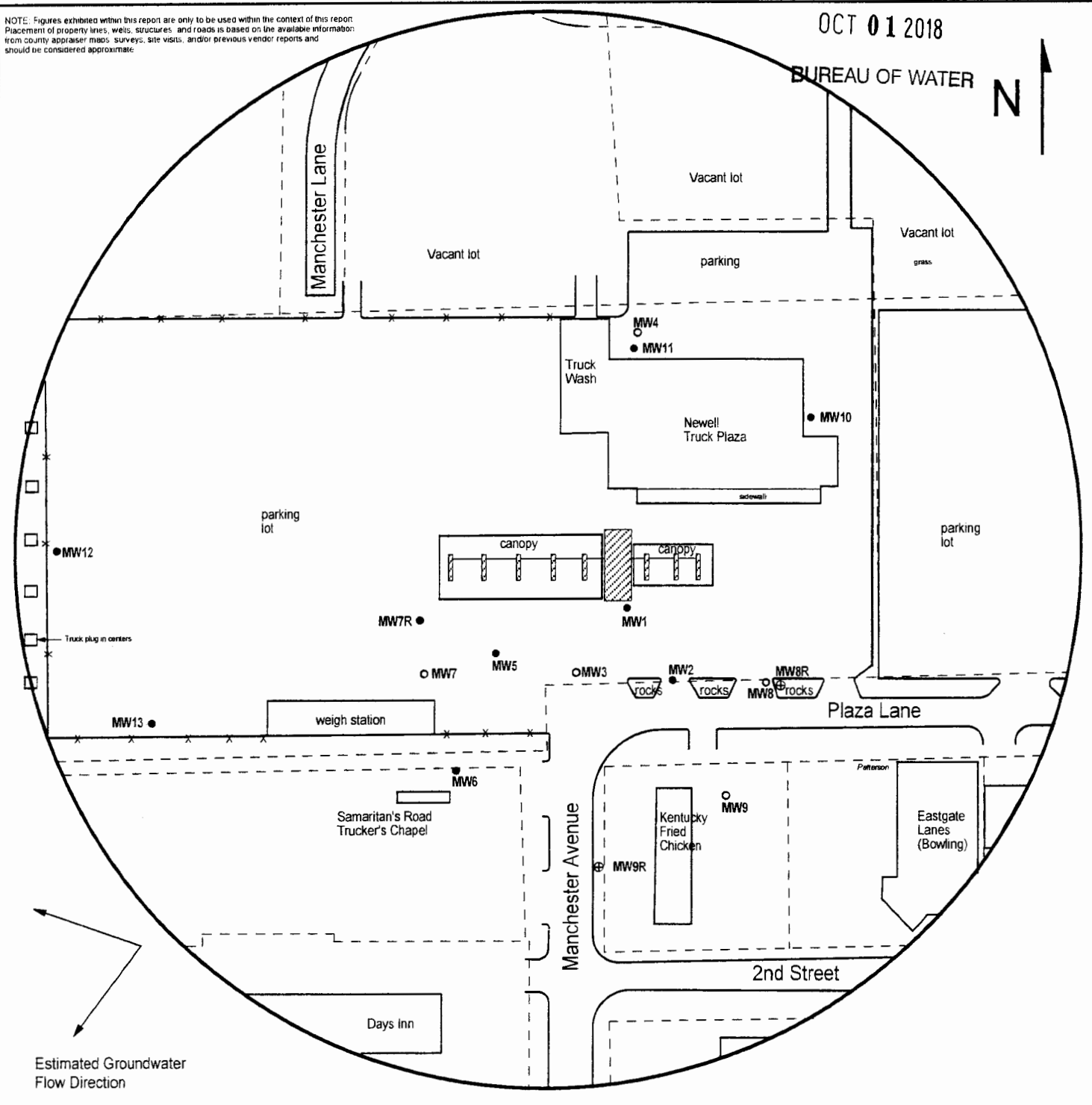


FIGURE 1 - AREA BASE MAP

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. 25<sup>th</sup> 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