

WATER WELL RECORD

Form WWC-5

Division of Water

Resources App. No.

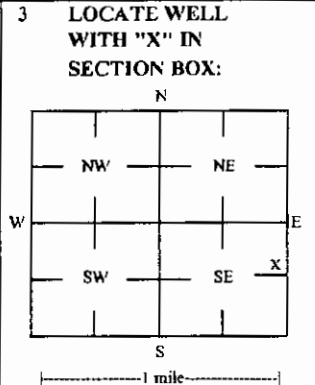
Well ID

MW9

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Harvey Fraction SE 1/4 SE 1/4 NE 1/4 SE 1/4 Section Number 13 Township Number T 23 S Range Number R 1 E W

2 WELL OWNER: Last Name: First: 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: Business: Kansas Department of Health & Environment Address: 1000 SW Jackson St City: Topeka State: KS ZIP: 66612



4 DEPTH OF COMPLETED WELL: 20.5 ft Depth(s) Groundwater Encountered: 1) 20.5 ft 2) 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 16.36 ft

5 Latitude: 38.04176 (decimal degrees) Longitude: 97.37212 (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

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 MW9 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 7 Oil Field Water Supply: lease 8 Test Hole: well ID Cased Uncased Geotechnical 9 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 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 -0.32 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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? ~180 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO LOG (cont.) or PLUGGING INTERVALS. Rows include Asphalt, Silty clay, Sandv silty clay, Sand w/ trace 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) 3/7/17 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) 4/5/17 under the business name of Larsen & Associates, Inc. Signature

DENNIS L HANDKE

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

March 30, 2017

RE: Monitor Well Elevation Survey
1804 W. 4th St., Newton, Kansas

Proj. 17-00L
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-9	rim	1439.73	North	1505.69	SE1/4,SE1/4,NE1/4,SE1/4 (Sec. 13-23-1W)
	top pipe	1439.41	West	4968.06	Lat= 38.04176 Long = 97.37212
MW-10	rim	1441.40	North	1629.15	SE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1441.09	West	4793.92	Lat= 38.04750 Long = 97.37151
MW-11	rim	1440.01	North	1507.52	SE1/4,SW1/4,NW1/4,SW1/4
	top pipe	1439.55	West	4628.86	Lat= 38.04176 Long = 97.37095
MW-12	rim	1439.99	North	1363.60	SE1/4,SE1/4,NE1/4,SE1/4 (Sec. 13-23-1W)
	top pipe	1439.60	West	4966.29	Lat= 38.04679 Long = 97.37213

RECEIVED

APR 12 2017

BUREAU OF WATER

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.

Dennis L Handke RLS

