

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

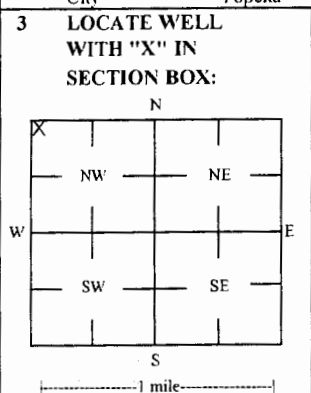
Well ID

MW4

[X] Original Record [ ] Correction [ ] Change in Well Ust

1 LOCATION OF WATER WELL: County Leavenworth, Fraction NW 1/4 NW 1/4 NW 1/4 NW 1/4, Section Number 36, Township Number T 8 S, Range Number R 22 [X] 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: KDHE (Porter Oil Co.) Address: 1000 SW Jackson St City Topeka State: KS ZIP: 66612



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 20 ft, Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft, 2) \_\_\_\_\_ ft, 3) \_\_\_\_\_ ft, or 4) [ ] Dry Well, WELL'S STATIC WATER LEVEL: 15.57 ft, [X] below land surface, measured on (mo-day-yr) 5/10/18, [ ] 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: 39.31757 (decimal degrees), Longitude: 94.91801 (decimal degrees), Horizontal Datum: [ ] WGS 84 [ ] NAD 83 [X] NAD 27, Source for Latitude/Longitude: [ ] GPS (unit make/model: \_\_\_\_\_) (WAAS enabled? [ ] Yes [ ] No), [X] Land Survey [ ] Topographic Map, [ ] Online Mapper

6 Elevation: 793.05 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 [X] Monitoring: well ID MW4, 6 Environmental Remediation: well ID, 7 [ ] Air Sparge [ ] Soil Vapor Extractor [ ] Recovery [ ] Injection, 8 [ ] Oil Field Water Supply: lease, 9 Test Hole: well ID, 10 [ ] Cased [ ] Uncased [ ] Geotechnical, 11 Geothermal: How many bores?, 12 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 10 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Casing height above land surface -0.34 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 10 ft to 20 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., GRAVEL PACK INTERVALS: From 8 ft. to 20 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-1', Grout intervals: From 1 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 [X] Fuel Storage [ ] Abandoned Water Well, [ ] Watertight Sewer Lines [ ] Seepage Pit [ ] Feedyard [ ] Fertilizer Storage [ ] Oil Well / Gas Well, [ ] Other (Specify) \_\_\_\_\_, Direction from well? SW, Distance from well? ~140 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Landscaping mulch, 0.3-15 Silty clay, 15-20 Fine sand with silt.

Notes: KDHE ID: Porter Oil Co.; U4-052-15056, 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) 4/24/18 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) 5/18/18 under the business name of Larsen & Associates, Inc. Signature \_\_\_\_\_

**DENNIS L HANDKE**

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TOPEKA, KANSAS 66618  
785-286-4047 Home  
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26-8-22E  
35  
36

Jess Chapman  
Larsen & Assoc.  
1311 E. 25<sup>th</sup> St., Suite B  
Topeka, Kansas 66046

May 12, 2018

RE: Monitor Well Elevation Survey  
701 Delaware, Leavenworth, Kansas

Proj. 18-00P  
Porter Oil Co.  
KDHE ID A4-052-15056

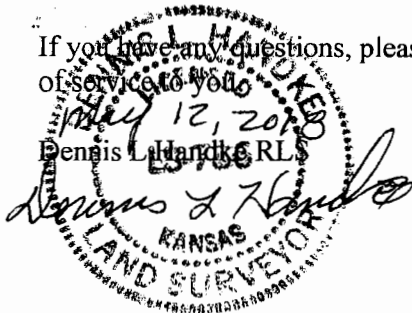
Bench Mark: Chisled square on NE corner of concrete signal light base at the NE corner of property.  
Elev.: 791.82 North 5219 West 124 (from SE Cor. Sec. 35-8-22E)

MW-1	rim	791.06	North	5206	NE1/4,NE1/4,NE1/4,NE1/4
	top pipe	790.66	West	118	Lat = 39.31745 Long = 94.91850
MW-2	rim	790.73	North	5267	NE1/4,NE1/4,NE1/4,NE1/4
	top pipe	790.40	West	257	Lat = 39.31762 Long = 94.91899
MW-3	rim	792.07	North	5275	SE1/4,SE1/4,SE1/4,SE1/4 (Sec. 26-8-22E)
	top pipe	791.69	West	166	Lat = 39.31764 Long = 94.91867
MW-4	rim	793.39	North	5249	NW1/4,NW1/4,NW1/4,NW1/4 (Sec. 36-8-22E)
	top pipe	793.05	East	21	Lat = 39.31757 Long = 94.91801
MW-5	rim	790.00	North	5139	NE1/4,NE1/4,NE1/4,NE1/4
	top pipe	789.67	West	311	Lat = 39.31727 Long = 94.91919
MW-6	rim	784.88	North	5044	NE1/4,NE1/4,NE1/4,NE1/4
	top pipe	784.56	West	235	Lat = 39.31701 Long = 94.91892
MW-7	rim	784.16	North	5004	NE1/4,NE1/4,NE1/4,NE1/4
	top pipe	783.86	West	192	Lat = 39.31690 Long = 94.91877

Lat & Long derived from Leavenworth 7.5' quad map. WGS84.

Elevation derived from USGS BM#251 NAVD83.

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



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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

LEGEND:

- Approximate Location of Former UST Basin
  - Approximate Location of Former Pump Island
  - Approximate Location of Property Line
  - Building with Basement
  - Existing Monitoring Well
  - Plugged Well
  - Monitoring Well (Installed 4/23-24, 4/26/18)
  - Soil Boring (Drilled 4/26/18)
  - Fire Hydrant
  - Gas Meter
  - Electric Lines (2 - 6 ft BGS)
  - Overhead Lines (25-40 ft high)
  - Water Lines (2 - 6 ft BGS)
- NOTE: SB5 & SB6 were drilled to collect hydrologic samples.  
NOTE: Utility depths, heights and locations are approximate.



**PROJECT:**  
 Porter Oil Co.  
 701 Delaware St  
 Leavenworth, KS  
 KDHE ID: U4-052-15056  
 Date: 5/10/18



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

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26-8-20E  
 MS  
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