

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.

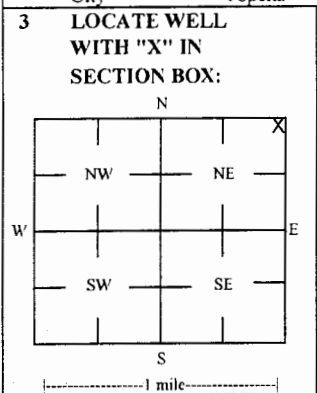
Well ID

**MW2**

Original Record  Correction  Change in Well Use

**1 LOCATION OF WATER WELL:** County Leavenworth Fraction NE 1/4 NE 1/4 NE 1/4 NE 1/4 Section Number 35 Township Number T 8 S Range Number R 22 E  E  W

**2 WELL OWNER:** Last Name: Porter Oil Co. First: KDHE 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 Parking lot located between 120 S 7th St and 714 Delaware St. Leavenworth, KS  
 Address: City Topeka State: KS ZIP: 66612



**4 DEPTH OF COMPLETED WELL:** 20 ft  
 Depth(s) Groundwater Encountered: 1) 1 ft  
 2)          ft 3)          ft, or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: 12.11 ft.  
 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:** 39.31762 (decimal degrees)  
**Longitude** 94.91899 (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** 790.40 ft  Ground Level  TOC  
 Source  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 MW2  
 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  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 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 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  Bentonite  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  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? ~170 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.2	Asphalt			
0.2	2	Fill material with limestone			
2	6	Silty clay			
6	15.5	Silt with some clay			
15.5	16	Fine sand			
16	18	Silt with some clay			
18	20	Silty clay			

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  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) 4/23/18 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 [Signature]

# DENNIS L HANDKE

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TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

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.

May 12, 2018  
Dennis L Handke, RLS  
*Dennis L Handke*  
KANSAS  
LAND SURVEYOR

RECEIVED  
MAY 31 2018  
BUREAU OF WATER

Leavenworth



FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

**LEGEND:**

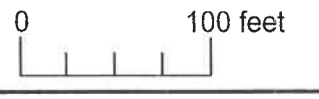
- Approximate Location of Former UST Basin
- Approximate Location of Former Pump Island
- Approximate Location of Property Line
- Building with Basement
- Existing Monitoring Well
- Plugged Well
- Monitoring Well (Installed 4/23-24, 4/26/18)
- Soil Boring (Drilled 4/26/18)
- Fire Hydrant
- Gas Meter
- 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.

**larsen**  
& ASSOCIATES, INC.

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

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



RECEIVED  
MAY 31 2018  
BUREAU OF WATER

26-8-20E  
MS  
36  
"