

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW7

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 W

2 WELL OWNER: Last Name: Business: KDHE (Porter Oil Co.) Address: 1000 SW Jackson St City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 716 Cherokee St, Leavenworth, KS

3 LOCATE WELL WITH "X" IN SECTION BOX: NW NE SW SE

4 DEPTH OF COMPLETED WELL: 14 ft Depth(s) Groundwater Encountered: 1) 14 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 11.61 ft. X below land surface, measured on (mo-day-yr) 5/10/18

5 Latitude: 39.31690 (decimal degrees) Longitude: 94.91877 (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 783.86 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 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MW7 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 4 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.30 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 4 ft. to 14 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 3 ft. to 14 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 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? NE Distance from well? ~185 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

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

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, GW 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.

DENNIS L HANDKE

1820 NW 59th Terrace
TOPEKA, KANSAS 66618
785-286-4047 Home
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26-8-22E
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Jess Chapman
Larsen & Assoc.
1311 E. 25th 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

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Leavenworth

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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