

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW1

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): 701 Delaware St, Leavenworth, KS

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

4 DEPTH OF COMPLETED WELL: 15.5 ft Depth(s) Groundwater Encountered: 1) 15.5 ft 2) ft 3) ft or 4) Dry Well WELL'S STATIC WATER LEVEL: 12.65 ft. X below land surface, measured on (mo-day-yr) 5/10/18

5 Latitude: 39.31745 (decimal degrees) Longitude: 94.91850 (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: 790.66 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 MW1 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 5.5 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.40 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 5.5 ft. to 15.5 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 3.5 ft. to 15.5 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 3.5 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? S Distance from well? ~20 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Concrete, 0.3-8.5 Clayey silt, 8.5-15.5 Sandy 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) 4/26/18 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, GWS 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
785-286-1990 Fax

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

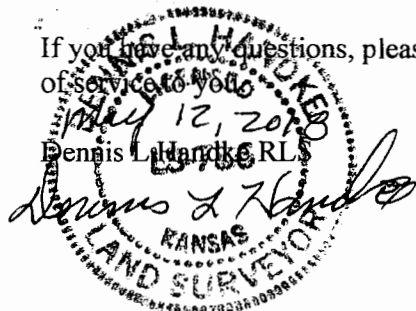
Bench Mark: Chisled square on NE corner of concrete signal light base at the NE corner of property.
Elev.: 791.82 North 5219 West 124 (from SE Cor. Sec. 35-8-22E)

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.



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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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