

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

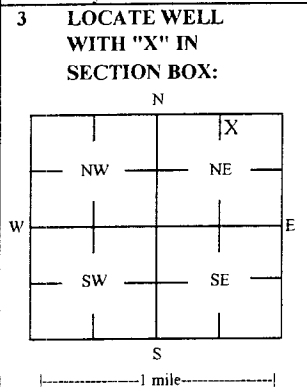
Well ID

MW1R

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Leavenworth Section Number 35 Township Number T 8 S Range Number R 22 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: 800 Cherokee, Leavenworth, KS



4 DEPTH OF COMPLETED WELL: 9 ft Depth(s) Groundwater Encountered: 1) ... 2) ... 3) ... 4) Dry Well WELL'S STATIC WATER LEVEL: NA ft.

5 Latitude: 39.31634 (decimal degrees) Longitude: 94.92291 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27

6 Elevation: 794.13 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 Monitoring: well ID MW1R 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 Water well disinfected? Yes No If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 4 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 4 ft. to 9 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 3 ft. to 9 ft. From ft. to ft. From ft. to ft.

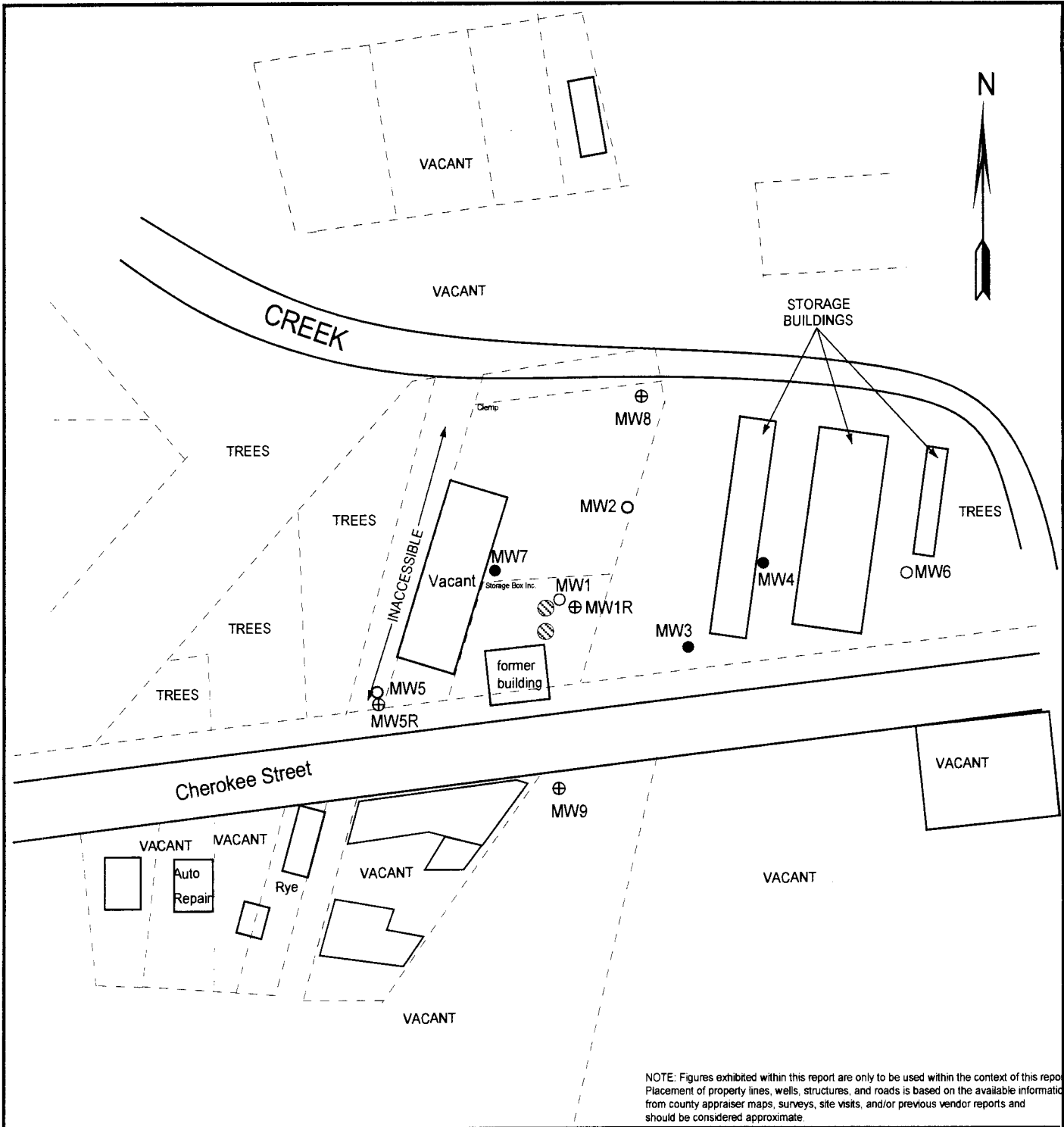
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1 ft Grout intervals: From 1 ft. to 3 ft. From ft. to ft. From ft. to ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? W Distance from well? ~15 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-2 Glacial till with gravel and cobbles, 2-6 Shale, 6-7 Weathered limestone mixed with shale, 7-9 Limestone

Notes: KDHE ID: Pellman Oil; A4-052-40110 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) 1/22/18 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) 2/23/18 under the business name of Larsen & Associates, Inc. Signature



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 1 - SITE BASE MAP

LEGEND:

- Former AST
- Existing Monitoring Well
- Plugged/Destroyed Monitoring Well
- Monitoring Well (Installed 1/22/18)
- Approximate location of property line



PROJECT:

Pellman Oil  
 800 Cherokee  
 Leavenworth, KS  
 KDHE ID: A4-052-40110  
 Date: 1/22/18

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



Leavenworth 80

35-8-22E

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

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

February 16, 2018

RE: Monitor Well Elevation Survey  
800 Cherokee, Leavenworth, Kansas

Proj. 18-00B  
Pellman Oil  
KDHE ID A4-052-40110

Bench Mark: Chisled X on top SE bolt of flag pole on East side of driveway.  
Elev.: 799.80      North 4723      West 1457      (from SE Cor. Sec. 35-8-22E)

MW-1R	rim	794.46	North 4814	SW1/4,NW1/4,NE1/4,NE1/4
	top pipe	794.13	West 1264	Lat = 39.31634      Long = 94.92291
MW-5R	rim	801.04	North 4748	SE1/4,NE1/4,NW1/4,NE1/4
	top pipe	800.65	West 1403	Lat = 39.31616      Long = 94.92340
MW-8	rim	792.54	North 4921	SW1/4,NW1/4,NE1/4,NE1/4
	top pipe	792.24	West 1237	Lat = 39.31663      Long = 94.92282
MW-9	rim	794.92	North 4685	SW1/4,NW1/4,NE1/4,NE1/4
	top pipe	794.63	West 1254	Lat = 39.31599      Long = 94.92288

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

Elevation derived from existing project.

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

February 17, 2018  
Dennis L Handke RLS  
LS 786  
Larsen & Handke  
KANSAS  
LAND SURVEYOR

RECEIVED  
FEB 28 2018  
BUREAU OF WATER