

## WATER WELL RECORD

## Form WWC-5

Division of Water  
Resources App. No.

Well ID

MW18

☒ Original Record ☐ Correction ☐ Change in Well Use

<b>1 LOCATION OF WATER WELL:</b> County Coffey		Fraction SE ¼ NW ¼ NW ¼ SE ¼	Section Number 27	Township Number T 21 S	Range Number R 15 E <input checked="" type="checkbox"/> W																																																						
<b>2 WELL OWNER: Last Name:</b> Business: Lewis Oil Company, Inc. Address: 913 N 4th St Address: City Burlington State: KS ZIP: 66839		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: <input type="checkbox"/> ~65' north of 505 S 10th St, Burlington, KS																																																									
<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> <div style="text-align: center;"> </div>	<b>4 DEPTH OF COMPLETED WELL:</b> 25 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) <input type="checkbox"/> Dry Well <b>WELL'S STATIC WATER LEVEL:</b> 21.64 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 2/25/2021 <input type="checkbox"/> 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		<b>5 Latitude:</b> 38.19056 (decimal degrees) <b>Longitude:</b> 95.74638 (decimal degrees) Horizontal Datum <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model: _____) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper																																																								
<b>7 WELL WATER TO BE USED AS:</b> 1 Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial 2 <input type="checkbox"/> Public Water Supply: well ID _____ 3 <input type="checkbox"/> Dewatering: how many wells? _____ 4 <input type="checkbox"/> Aquifer Recharge: well ID _____ 5 <input checked="" type="checkbox"/> Monitoring: well ID MW18 6 Environmental Remediation: well ID _____ <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extractor <input type="checkbox"/> Recovery <input type="checkbox"/> Injection 7 <input type="checkbox"/> Oil Field Water Supply: lease _____ 8 Test Hole: well ID _____ <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 9 Geothermal: How many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water <input type="checkbox"/> Other (specify): _____		<b>6 Elevation:</b> 1036.56 ft <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC Source <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other _____																																																									
Was a chemical/bacteriological sample submitted to KDHE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted: _____ Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
<b>8 TYPE OF CASING USED:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ <b>CASING JOINTS:</b> <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2 in. to 10 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.36 in. Weight _____ lbs./ft. Well thickness or gauge No _____ <b>TYPE OF SCREEN OR PERFORATION MATERIAL:</b> <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole) <b>SCREEN OR PERFORATION OPENINGS ARE:</b> <input type="checkbox"/> Continuous Slot <input checked="" type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole) <b>SCREEN-PERFORATED INTERVALS:</b> From 10 ft. to 25 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, <b>GRAVEL PACK INTERVALS:</b> From 8 ft. to 25 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft,																																																											
<b>9 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 8 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, <b>Nearest source of possible contamination:</b> <input type="checkbox"/> Septic Tank <input type="checkbox"/> Lateral Lines <input type="checkbox"/> Pit Privy <input type="checkbox"/> Livestock Pens <input type="checkbox"/> Insecticide Storage <input type="checkbox"/> Sewer Lines <input type="checkbox"/> Cess Pool <input type="checkbox"/> Sewage Lagoon <input checked="" type="checkbox"/> Fuel Storage <input type="checkbox"/> Abandoned Water Well <input type="checkbox"/> Watertight Sewer Lines <input type="checkbox"/> Seepage Pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer Storage <input type="checkbox"/> Oil Well / Gas Well <input type="checkbox"/> Other (Specify) _____ Direction from well? southwest Distance from well? ~250 ft																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">10 FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">LITHOLOGIC LOG</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>Topsoil, clay, many roots</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>15</td> <td>Clay</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>20</td> <td>Clay, little limestone chunks</td> <td></td> <td></td> <td></td> </tr> <tr> <td>20</td> <td>25</td> <td>Clay</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	1	Topsoil, clay, many roots				1	15	Clay				15	20	Clay, little limestone chunks				20	25	Clay																											
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<b>Notes:</b> KDHE ID: Lewis Oil Co.; U3-016-13936 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.																																																											
<b>11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-yr) 2/22/21 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-yr) 3/9/21 under the business name of Larsen & Associates, Inc. Signature _____																																																											

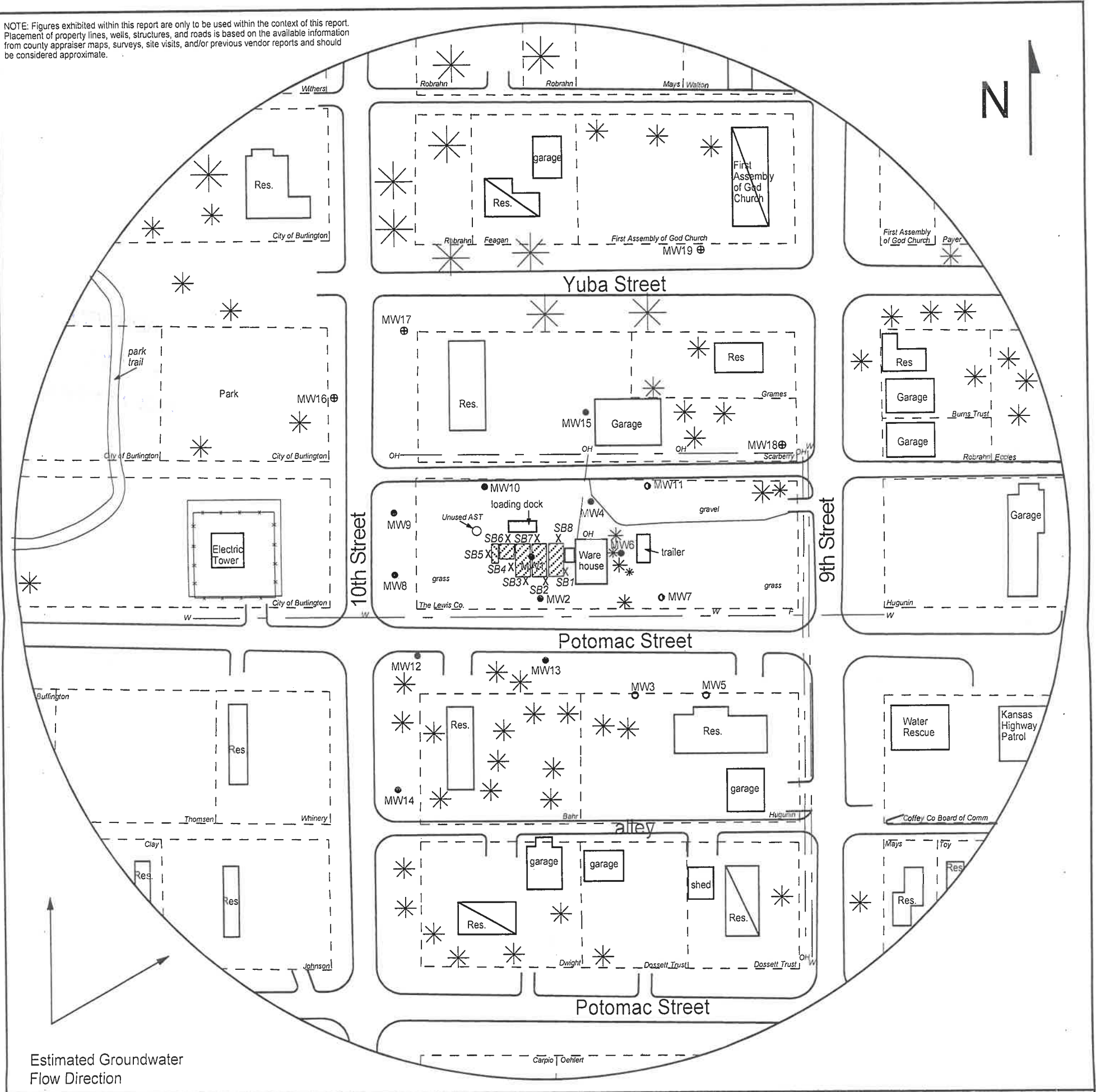
Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, Groundwater, and Surface Water, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Visit us at <http://www.kdheks.gov/waterwell/index.html>

KSA 82a-1212

Revised 7/10/2015

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.



Estimated Groundwater  
Flow Direction

FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP



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

PROJECT:  
Lewis Oil Co.  
9th and Potomac  
Burlington, KS  
KDHE ID: U3-016-13936  
Date: 2/25/21

0 100 ft

### LEGEND

- Approximate Location of Former AST Basins
- Approximate Location of Former UST Basins
- Building with Basement
- Approximate Location of Property Line
- Existing Monitoring Well
- Plugged Well
- Destroyed Well
- Monitoring Well (Installed 2/22/21 & 2/25/21)
- Soil Boring (Drilled 8/3/20)
- Fire Hydrant
- Overhead Lines (25'-40' high)
- Water Lines (2 - 6 ft bgs)

NOTE: Utility depths, heights and locations are approximate.

RECEIVED  
MAR 28 2021  
BUREAU OF WATER



# 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  
Lawrence, Kansas 66046

March 6, 2021

RE: Monitor Well Elevation Survey  
9<sup>th</sup> & Potomac, Burlington, Kansas

Proj. 21-00F  
Lewis Oil Co.  
KDHE ID U3-016-13936

Bench Mark: Square cut on NE corner of concrete pad NW of the ware house.  
Elev.: 1037.85      North 2140.24      West 2359.56      (from SE Cor. Sec. 27-21-15E)

MW-16	rim	1035.60	North	2260.69	SE1/4,NE1/4,NE1/4,SW1/4
	top pipe	1035.26	West	2556.77	Lat = 38.19072      Long = 95.74786
MW-17	rim	1035.16	North	2325.43	SW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1034.65	West	2494.88	Lat = 38.19089      Long = 95.74764
MW-18	rim	1036.92	North	2212.10	SE1/4,NW1/4,NW1/4,SE1/4
	top pipe	1036.56	West	2130.26	Lat = 38.19056      Long = 95.74638
MW-19	rim	1036.57	North	2388.13	SW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1036.13	West	2224.00	Lat = 38.19105      Long = 95.74669

Lat & Long derived from Burlington 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.

