WATER WELL RECORD Form WWC-5

[X] Original Record [ ] Correction [ ] Change in Well Ust

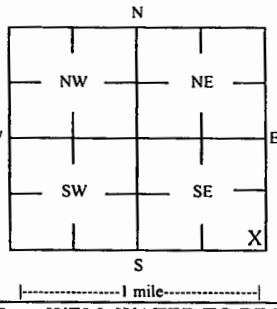
Division of Water Resources App. No. [ ] Well ID MW5

1 LOCATION OF WATER WELL: County Douglas | Fraction SW ¼ SE ¼ SE ¼ SE ¼ | Section Number 33 | Township Number T 14 S | Range Number R 20 [X] E [ ] W

2 WELL OWNER: Last Name: First:
Business: KDHE (McMillian Oil)
Address: 1000 SW Jackson
Address:
City Topeka State: KS ZIP: 66612

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: [ ]
112 N 8th St., Baldwin, KS

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 15.5 ft
Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) [ ] Dry Well
WELL'S STATIC WATER LEVEL: 8.84 ft.
[X] below land surface, measured on (mo-day-yr) 10/23/20
[ ] 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: 38.78240 (decimal degrees)
Longitude 95.18825 (decimal degrees)
Horizontal Datum: [X] WGS 84 [ ] NAD 83 [ ] NAD 27
Source for Latitude/Longitude:
[ ] GPS (unit make/model:) (WAAS enabled? [ ] Yes [ ] No)
[X] Land Survey [ ] Topographic Map
[ ] Online Mapper

6 Elevation 1049.70 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
2 [ ] Irrigation
3 [ ] Feedlot
4 [ ] Industrial
5 [ ] Public Water Supply: well ID
6 [ ] Dewatering: how many wells?
7 [ ] Aquifer Recharge: well ID
8 [X] Monitoring: well ID MW5
9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractior [ ] 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 [X] No If yes, date sample was submitted:
Water well disinfected? [ ] Yes [X] No

8 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other CASING JOINTS: [ ] Glued [ ] Clampled [ ] Welded [X] Threaded
Casing diameter 2 in. to 5.5 ft, Diameter in. to ft, Diameter in. to ft,
Casing height above land surface -0.55 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 (Specity)
Direction from well? SW Distance from well? ~130' ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	Topsoil, clayey silt, some gravels & roots			
2	6	Silty clay			
6	7.5	Laminated mudstone			
7.5	15.5	Silty clay			

Notes: KDHE ID: McMillian Oil; A4-023-40177
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) 10/22/20 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) 11/17/20
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, GWTS 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.

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.

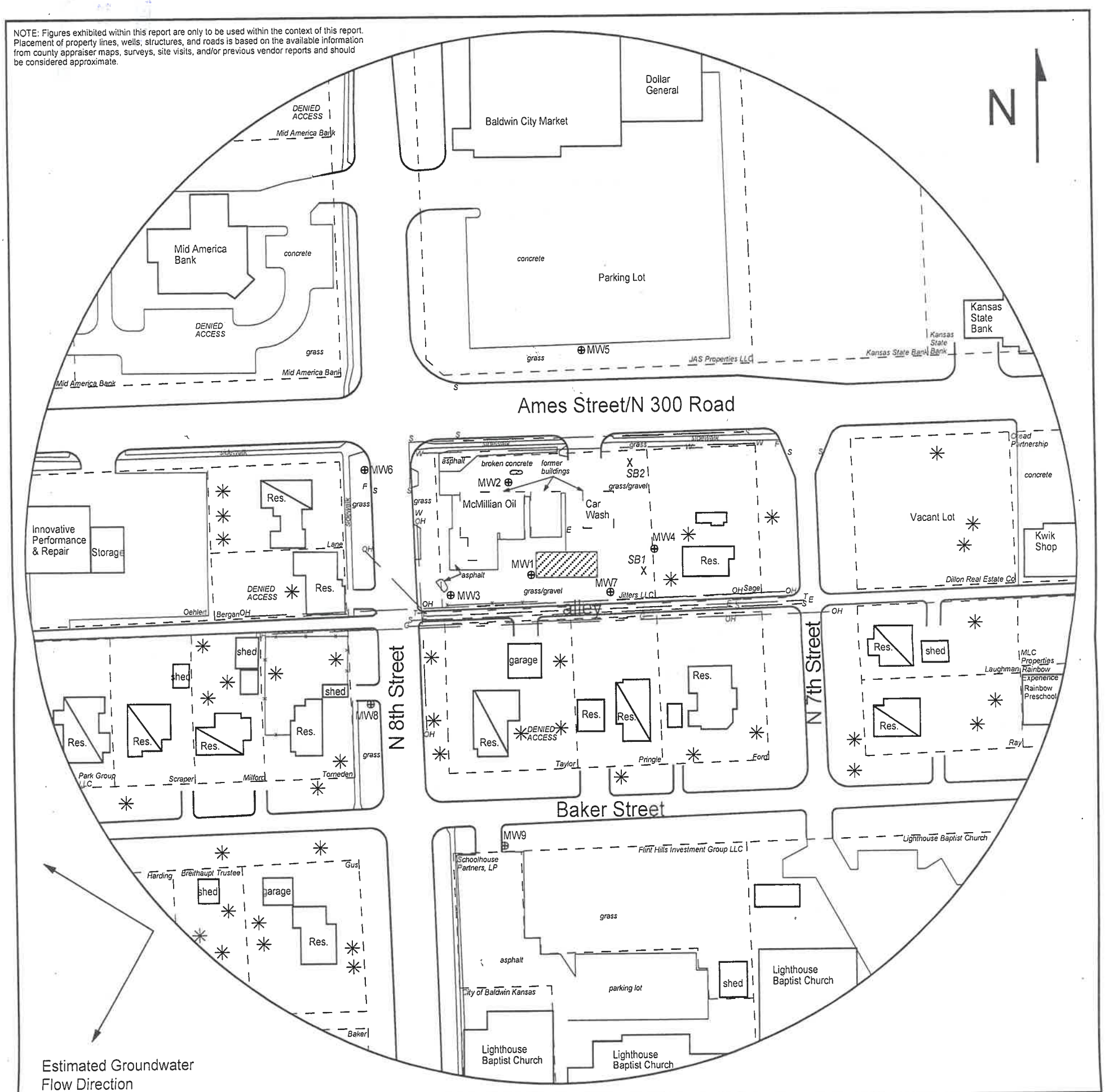


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

LEGEND

- Approximate Location of Former AST Basins and Pump Island
- Building with Basement
- Approximate Location of Property Line
- Monitoring Well (Installed 10/21-22/20)
- X Soil Boring (Drilled 10/22/20)
- F Fire Hydrant
- E — Electric Lines (1.5 - 3 ft bgs)
- OH — Overhead Lines (25'-40' high)
- S — Sewer Lines (2 - 6 ft bgs)
- T — Telephone Lines (2 - 6 ft bgs)
- W — Water Lines (2 - 6 ft bgs)

NOTE: SB1 & SB2 were drilled to collect hydrologic samples.
NOTE: Utility depths, heights and locations are approximate.

larsen & ASSOCIATES, INC.

1311 E 25th St., Suite B
Lawrence, KS 66046

785-841-8707 office
785-865-4282 fax

PROJECT:

McMillian Oil
719 Ames St.
Baldwin, KS
KDHE ID: A4-023-40177
Date: 10/23/20

0 100 ft

DENNIS L HANDKE

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

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

November 13, 2020

RE: Monitor Well Elevation Survey
719 Ames St., Baldwin, Kansas

Proj. 20-00ZZ
McMillian Oil
A4-023-40177

Bench Mark: Rivet and washer on North center of concrete storm inlet near Northwest corner of property.
Elev: 1049.92 North 5303.13 West 616.87 (from SE Cor. Sec. 4-15-20E)

MW-1	rim	1052.75	North	5173.80	NW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1052.40	West	546.61	Lat= 38.78181 Long = 95.18842
MW-2	rim	1051.88	North	5259.91	NW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1051.49	West	563.06	Lat= 38.78205 Long = 95.18848
MW-3	rim	1049.75	North	5158.45	NW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1049.39	West	625.40	Lat= 38.78177 Long = 95.18870
MW-4	rim	1056.47	North	5193.94	NW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1056.11	West	432.85	Lat= 38.78187 Long = 95.18803
MW-5	rim	1050.25	North	5387.22	SW1/4,SE1/4,SE1/4,SE1/4 (Sec 33-14-20E)
	top pipe	1049.70	West	494.15	Lat= 38.78240 Long = 95.18825
MW-6	rim	1046.71	North	5276.23	NE1/4,NW1/4,NE1/4,NE1/4
	top pipe	1046.30	West	704.44	Lat= 38.78209 Long = 95.18898
MW-7	rim	1055.70	North	5158.23	NW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1055.42	West	478.22	Lat= 38.78177 Long = 95.18818
MW-8	rim	1050.05	North	5055.12	NE1/4,NW1/4,NE1/4,NE1/4
	top pipe	1049.69	West	708.64	Lat= 38.78148 Long = 95.18899
MW-9	rim	1056.60	North	4914.27	SW1/4,NE1/4,NE1/4,NE1/4
	top pipe	1056.30	West	579.12	Lat= 38.78110 Long = 95.18853

Lat & Long derived from Baldwin City 7.5 quad map. WGS84.

Elevation established from USGS BM G 44 NAVD 88

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

November 13, 2020

LS-783

Dennis L Handke RLS

KANSAS LAND SURVEYOR