

WATER WELL RECORD Form WWC-5

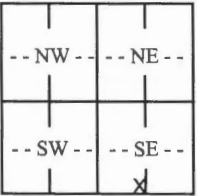
Division of Water Resources App. No.

Well ID MW3

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Riley	Fraction SE ¼ SE ¼ SW ¼ SE ¼	Section Number 11	Township Number T 10 S	Range Number R 7 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: Oppy's Rental LLC Business: Oppy's Rental LLC Address: PO Box 1641 Address: City: Manhattan State: KS ZIP: 66505	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: <input type="checkbox"/> 3001 Anderson Ave, Manhattan, KS
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  S -----1 mile-----	4 DEPTH OF COMPLETED WELL: 20 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 9.93 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 1/29/19 <input type="checkbox"/> above land surface, measured on (mo-day-yr) Pump test data: Well water was ft. after hours pumping gpm Well water was ft. after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: .. 8.25 in. to .. 20 ft. and in. to ft.	5 Latitude: 39.18923 (decimal degrees) Longitude: 96.61313 (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:
6 Elevation: .. 1048.78 ft. <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other		

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	5. <input type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells?	11. Test Hole: well ID
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID MW3	12. Geothermal: how many bores?
	9. Environmental Remediation: well ID	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:

Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter 2 in. to 10 ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. **Schedule 40**.

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 .. 10 ft. to .. 20 ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 8 ft. to 20 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 1 ft. to 8 ft., From ft. to ft., From ft. to ft.

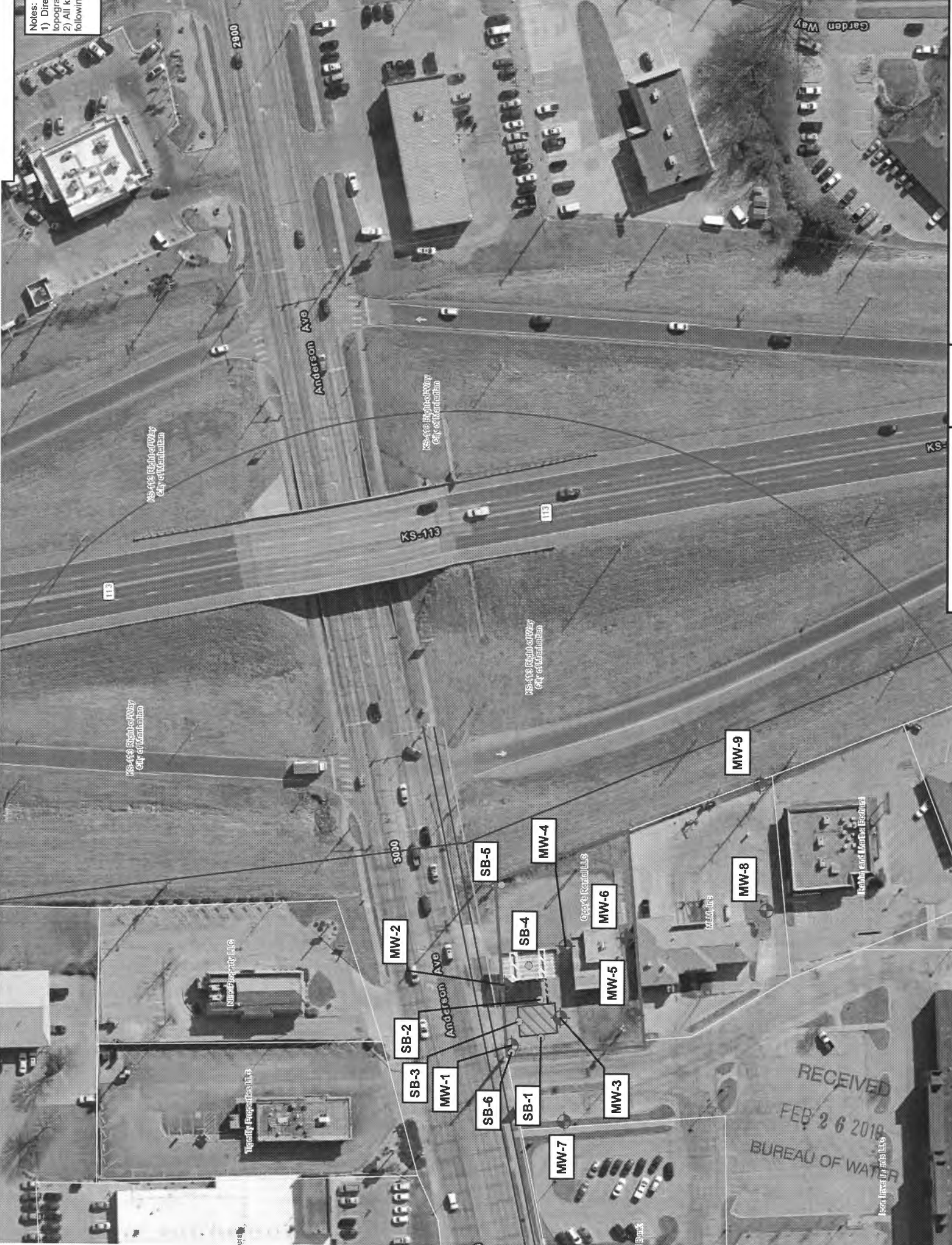
Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify) **U5-081-15104**

Direction from well? **On site** Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Sand-gravel fill			
0.5	5	No recovery			
5	10	Sand, medium-fine grained			
10	17	Sand, medium-fine grained wet@15ft bqs			
17	20	Clay, silty, dark brown			
Notes: Oppy Bros., Inc. U5-081-15104					

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) 1/29/19 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 585 This Water Well Record was completed on (mo-day-year) 2/19/19 under the business name of **Associated Environmental, Inc.** Signature *[Signature]*

Notes:
1) Direct
topographic
2) All kn
following



KS: 419 Rights of Way
City of Manhattan

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City of Manhattan

KS: 419 Rights of Way
City of Manhattan

KS: 419 Rights of Way
City of Manhattan

3000

Anderson Ave

City of Manhattan, KS

3000

Manhattan Municipal Building

Manhattan Municipal Building

Manhattan Municipal Building

MW-2

SB-2

SB-3

MW-1

SB-6

SB-1

MW-7

SB-5

MW-4

SB-4

MW-6

MW-5

MW-3

MW-9

MW-8

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FEB 26 2018
BUREAU OF WATER

1220 Inverly Dr. Manhattan, KS 66506

DENNIS L HANDKE

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

Chris Carey
ppB EnviroSolutions LLC
712 S. Kansas Ave.
Topeka, Kansas, 66003

February 10, 2019

RE: Monitor Well Elevation Survey
3001 Anderson Ave., Manhattan, Kansas

Proj. 19-00H
Oppy Bros., Inc.
U5-081-15104

Bench Mark: Chisled Sq. on NW corner of concrete sign base at NE of the property.
Elev: 1048.69 North 84.66 West 1508.42 (from SE Cor. Sec. 11-10-7E)

MW	Point	Elev	North	West	Coordinates
MW-1	rim	1049.04	North	66.00	SE1/4,SE1/4,SW1/4,SE1/4
	top pipe	1048.47	West	1636.44	Lat= 39.18933 Long = 96.61322
MW-2	rim	1049.56	North	72.04	SE1/4,SE1/4,SW1/4,SE1/4
	top pipe	1049.08	West	1598.29	Lat= 39.18935 Long = 96.61308
MW-3	rim	1049.25	North	30.54	SE1/4,SE1/4,SW1/4,SE1/4
	top pipe	1048.71	West	1611.44	Lat= 39.18923 Long = 96.61313
MW-4	rim	1049.99	North	20.06	SE1/4,SE1/4,SW1/4,SE1/4
	top pipe	1049.47	West	1559.15	Lat= 39.18921 Long = 96.61294
MW-5	rim	1049.26	South	33.62	NE1/4,NE1/4,NW1/4,NE1/4 (Sec. 14-10-7E)
	top pipe	1048.80	West	1600.15	Lat= 39.18906 Long = 96.61309
MW-6	rim	1049.70	South	20.29	NE1/4,NE1/4,NW1/4,NE1/4 (Sec. 14-10-7E)
	top pipe	1049.19	West	1538.54	Lat= 39.18910 Long = 96.61287
MW-7	rim	1049.74	North	25.20	SE1/4,SE1/4,SW1/4,SE1/4
	top pipe	1049.24	West	1708.27	Lat= 39.18922 Long = 96.61347
MW-8	rim	1043.08	South	151.00	NE1/4,NE1/4,NW1/4,NE1/4 (Sec. 14-10-7E)
	top pipe	1042.83	West	1538.89	Lat= 39.18874 Long = 96.61287
MW-9	rim	1041.01	South	156.77	NE1/4,NE1/4,NW1/4,NE1/4 (Sec. 14-10-7E)
	top pipe	1040.41	West	1444.59	Lat= 39.18874 Long = 96.61287

Lat & Long derived existing Manhattan 7.5' quad map. WGS 84.

Elevation established from project U5-081-13896, NAVD 27.

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

February 10, 2019
Dennis L. Handke RLS
Dennis L. Handke
KANSAS
LAND SURVEYOR

RECEIVED
FEB 26 2019
BUREAU OF WATER