

**WATER WELL RECORD Form WWC-5**

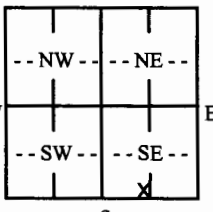
Division of Water Resources App. No.  

Well ID MW7

Original Record  Correction  Change in Well Use

<b>1 LOCATION OF WATER WELL:</b> 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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<b>2 WELL OWNER:</b> 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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<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N  W E S 1 mile	<b>4 DEPTH OF COMPLETED WELL:</b> ..... 20 ..... ft. Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ..... 11.53 ..... 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.	<b>5 Latitude:</b> ..... 39.18922 ..... (decimal degrees) <b>Longitude:</b> ..... 96.61347 ..... (decimal degrees) <b>Horizontal Datum:</b> <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 <b>Source for Latitude/Longitude:</b> <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>6 Elevation:</b> ..... 1049.24 ..... ft. <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC <b>Source:</b> <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 ..... MW7	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:**

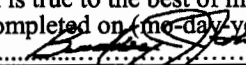
<input type="checkbox"/> Septic Tank	<input type="checkbox"/> Lateral Lines	<input type="checkbox"/> Pit Privy	<input type="checkbox"/> Livestock Pens	<input type="checkbox"/> Insecticide Storage
<input type="checkbox"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input 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

Other (Specify) U5-081-15104 .....

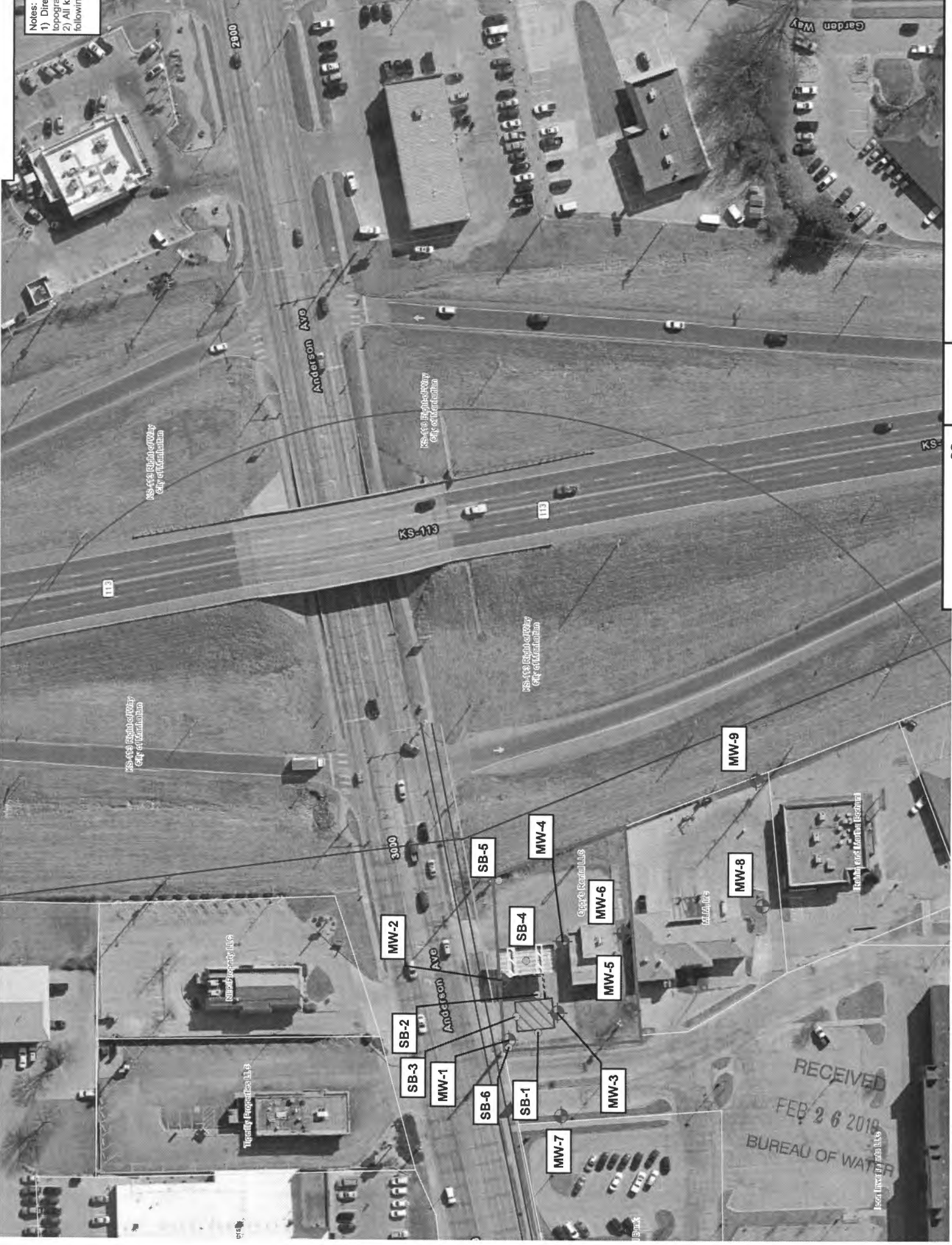
Direction from well? On site ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Topsoil			
0.5	15	Clay, silty, dark brown-black			
15	20	Clay, silty, dark brown-gray			

**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 

Notes:  
1) Direct  
topographic  
2) All kn  
following



KS: 419 Rights of Way  
City of Manhattan

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City of Manhattan

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City of Manhattan

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City of Manhattan

3000

Anderson Ave

Anderson Ave

KS: 419 Rights of Way  
City of Manhattan

Agency Properties LLC

City of Manhattan, KS

KS: 419 Rights of Way  
City of Manhattan

Manhattan Water Treatment Plant

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KS: 419 Rights of Way  
City of Manhattan

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

# 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-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.



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