

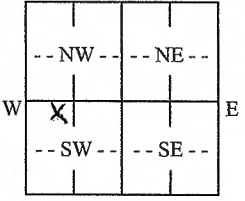
**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

Division of Water Resources App. No.  

Well ID MW-4

<b>1 LOCATION OF WATER WELL:</b> County: Riley	Fraction NW ¼ NE ¼ NW ¼ SW ¼	Section Number 20	Township Number T 10 S	Range Number R 8 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
<b>2 WELL OWNER:</b> Last Name: <u>Tri-Lakes District</u> Business: <u>PO Box 1568</u> Address: <u>Manhattan</u> City: <u>Manhattan</u> State: <u>KS</u> ZIP: <u>66505</u>		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"/> <u>481 McDowell Creek Road, Manhattan, KS</u>		

<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N  W X E S -----1 mile-----	<b>4 DEPTH OF COMPLETED WELL:</b> .....15..... ft. Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ..... ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr)..... <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: ..8.75.. in. to ..15.. ft. and ..... in. to ..... ft.	<b>5 Latitude:</b> .....39.16680.....(decimal degrees) <b>Longitude:</b> .....-96.55472.....(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> .....1011.27.....ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC <b>Source:</b> <input checked="" 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	2. <input type="checkbox"/> Irrigation	3. <input type="checkbox"/> Feedlot	4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID .....	6. <input type="checkbox"/> Dewatering: how many wells? .....	7. <input type="checkbox"/> Aquifer Recharge: well ID .....	8. <input checked="" type="checkbox"/> Monitoring: well ID <u>MW-4</u> .....	9. Environmental Remediation: well ID .....	10. <input type="checkbox"/> Oil Field Water Supply: lease .....	11. Test Hole: well ID .....	12. Geothermal: how many bores? .....	13. <input type="checkbox"/> Other (specify): .....
										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	

**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 .....15..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.

Casing height above land surface .....0..... in. Weight ..... lbs./ft. Wall thickness or gauge No. sch 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 .5..... ft. to 15..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**GRAVEL PACK INTERVALS:** From .....3..... ft. to .....15..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other cement pad .....

Grout Intervals: From .....1..... ft. to .....3..... ft., From .....0..... ft. to .....1..... 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) contaminated site .....

Direction from well? ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Gravel			
1	5	Clay, brown, moist, slight petroleum odor			
5	9	Clay, brown, moist			
9	15	Clay, gray, wet, silty to sandy in part, slight petroleum odor			
<b>Notes:</b>					

**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) 3/31/21 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 604 ..... This Water Well Record was completed on (mo-day-year) 5/3/21 ..... under the business name of Environmental Priority Service, Inc. ..... Signature [Signature] .....

# DENNIS L HANDKE

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

Jamie Murphy  
ppB Enviro-Solutions  
112 SW 6<sup>th</sup> Ave, Suite 201  
Topeka, Kansas, 66603

April 25, 2021

RE: Monitor Well Elevation Survey  
481 McDowell Creek Road, Manhattan, Kansas

Proj. 21-00L  
Capitol City Oil, Inc  
A5-081-40502

Bench Mark: Chisled Square on South center of garage floor near the NE corner of property.

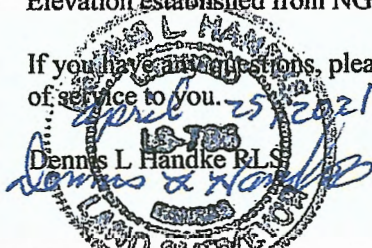
Elev: 1011.49      North 2717.02      West 4431.52      (from SE Cor. Sec. 20-10-8E)

MW-1	rim	1011.81	North	2622.68	SW1/4,SE1/4,SW1/4,NW1/4
	top pipe	1011.49	West	4488.33	Lat= 39.16680 Long = 96.55441
MW-2	rim	1012.13	North	2537.15	NW1/4,NE1/4,NW1/4,SW1/4
	top pipe	1011.53	West	4508.56	Lat= 39.16656 Long = 96.55449
MW-3	rim	1011.62	North	2585.08	NW1/4,NE1/4,NW1/4,SW1/4
	top pipe	1011.27	West	4550.60	Lat= 39.16670 Long = 96.55463
MW-4	rim	1011.27	North	2623.99	SW1/4,SE1/4,SW1/4,NW1/4
	top pipe	1010.57	West	4575.63	Lat= 39.16680 Long = 96.55472
MW-5	rim	1011.67	North	2612.10	SW1/4,SE1/4,SW1/4,NW1/4
	top pipe	1010.84	West	4457.21	Lat= 39.16677 Long = 96.55431
MW-6	rim	1012.29	North	2553.69	NW1/4,NE1/4,NW1/4,SW1/4
	top pipe	1011.81	West	4441.73	Lat= 39.16661 Long = 96.55425
MW-7	rim	1011.85	North	2695.77	SW1/4,SE1/4,SW1/4,NW1/4
	top pipe	1011.22	West	4463.49	Lat= 39.16700 Long = 96.55433
MW-8	rim	1010.81	North	2643.24	SW1/4,SE1/4,SE1/4,NW1/4
	top pipe	1010.22	West	4612.00	Lat= 39.16686 Long = 96.55485
MW-9	rim	1010.55	North	2609.16	SE1/4,SW1/4,SW1/4,NW1/4
	top pipe	1009.80	West	4661.84	Lat= 39.16676 Long = 96.55503
MW-10	rim	1012.10	North	2533.93	NW1/4,NE1/4,NW1/4,SW1/4
	top pipe	1011.54	West	4541.79	Lat= 39.16656 Long = 96.55460

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

Elevation established from NGS BM FF 115. NAVD 88

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



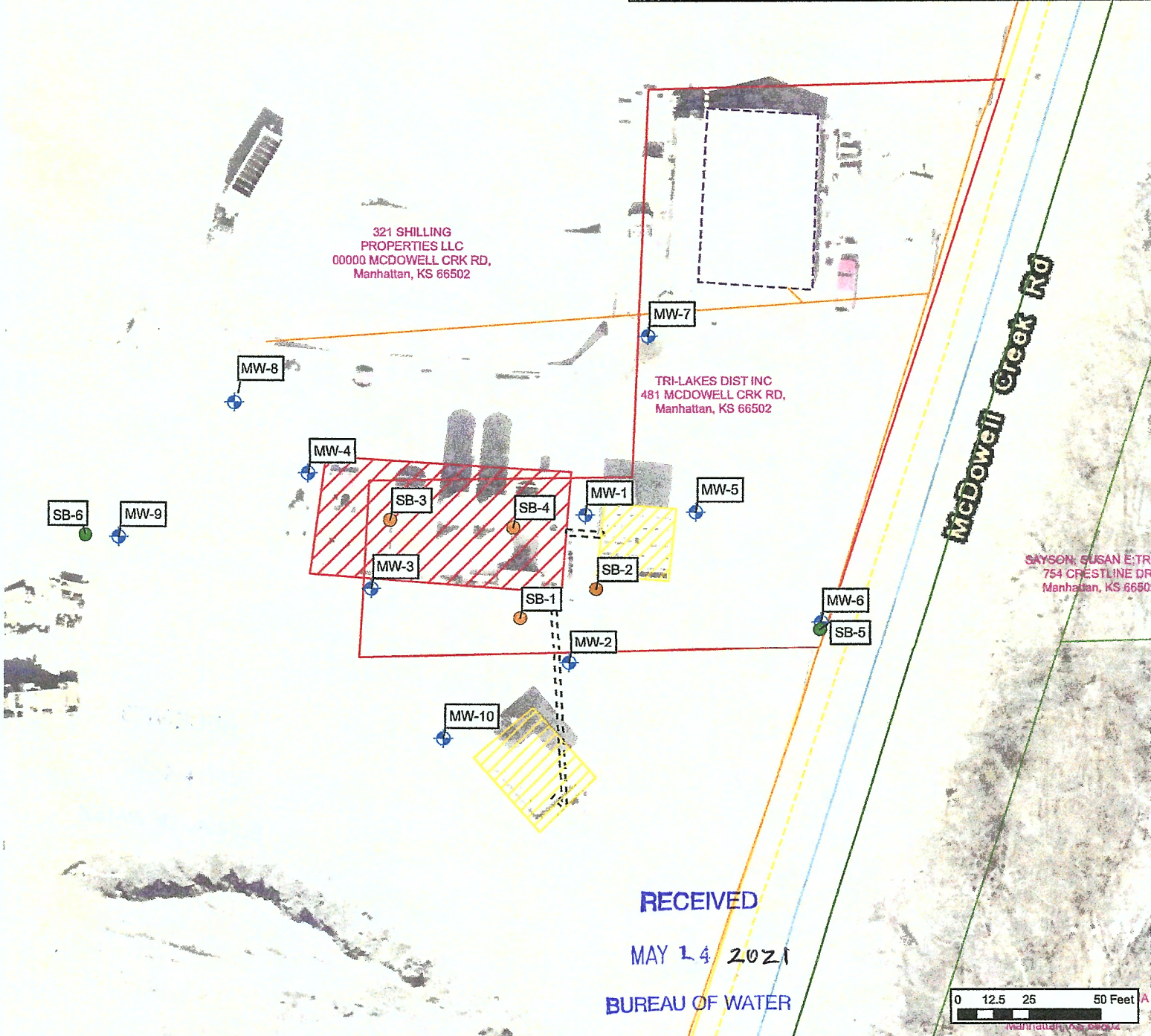
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MAY 14 2021

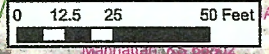
BUREAU OF WATER

Capital City Oil Property Boundary	Current Building	Overhead Electric	Agricultural	Other
Monitoring Well	Former Product Lines	Communication	Commercial	Residential
Soil Boring	Former Pump Islands	Sewer	Exempt	Utilities
Geotechnical Boring	Former Tank Area	Water	Farm Homesite	Vacant
			Not for Profit	

Notes:  
 1) Groundwater flow direction unknown, but inferred towards the west based on topography and regional drainage  
 2) All known utilities visible during the site visit are shown. Figures will be updated following the public and private utility locates conducted during the LSA.



RECEIVED  
 MAY 14 2021  
 BUREAU OF WATER



DESIGNED BY:	CP
DRAWN BY:	CP
CHECKED BY:	JM
APPROVED BY:	CC
DATE:	FEBRUARY 2021



Site Map  
Capital City Oil, Inc.

481 McDowell Creek Rd.  
Manhattan, Kansas  
A5-081-40502

FIGURE  
**2**

**Limited Site  
Assessment  
Work Plan**