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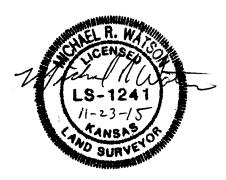
SURVEY OF MONITORING WELLS TITIAN EXPRESS LANE (WEST) COLUMBUS, KANSAS

The above site is in Section 13, Township 33 South, Range 23 East of the Sixth Principal Meridian, Cherokee County, Kansas. The Southeast corner of Section 13 was assigned coordinates of 00.00 North and 00.00 West.

The vertical control was a NGS benchmark titled "North Meridian" and is described as a copper bolt set in the top of a concrete monument, at the northeast corner of the county courthouse yard, 25 feet west of the Kansas Avenue sidewalk and 6 feet south of the Maple Street sidewalk. Elevation: 913.37'. A control point was established as a chiseled 'X' on top of the curb on the radius at the southeast corner of the site.

The Latitude and Longitude were recorded from a GPS unit. The site is located on the 7.5' quad map titled "Columbus".

ID SE CORNER 13-33S-23E	NORTH 00.00	WEST 00.00	LATITUDE	LONGITUDE	ELEVATION
Control Point	2703.97	3880.72	37.17096	94.84512	908.22
MW-1 SW SW SE NW	2757.84	3913.75	37.17107	94.84525	RIM 909.00 TOC 908.56
MW-2 SW SW SE NW	2724.73	3904.10	37.17097	94.84519	RIM 908.08 TOC 907.65
MW-3 SW SW SE NW	2780.62	3818.89	37.17115	94.84490	RIM 909.37 TOC 909.14
MW-4 SW SW SE NW	2847.94	3948.42	37.17137	94.84531	RIM 909.73 TOC 909.27
MW-5 NW NW NE SW	2638.11	3913.39	37.17079	94.84524	RIM 908.72 TOC 908.33
MW-6 NW NW NE SW	2630.93	3831.21	37.17075	94.84496	RIM 909.19 TOC 908.77
MW-7 SW SW SE NW	2724.10	3952.74	37.17099	94.84536	RIM 908.26 TOC 907.74
MW-8 NW NW NE SW	2524.97	3817.98	37.17047	94.84493	RIM 908.36 TOC 907.96
MW-9 NW NW NE SW	2514.01	3691.12	37.17041	98.84447	RIM 910.42 TOC 910.02



WATER WELL RECORD Form WWC-5	Division of Water Resources App. No. Well ID MW2
X Original Record Correction Change in Well Ust	Account of the contract of the
1 LOCATION OF WATER WELL: Fraction SW 1/2 SW 1/4 SW 1/4 SE	Section Number Township Number Range Number T 33 S R 23 X E W
County Cherokee	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:
	W Maple, Columbus, KS
Address: City Topeka State: KS ZIP: 66612	
City Topeka State: KS ZIP: 66612 3 LOCATE WELL 4 DEPTH OF COMPLETED WELL: 1	7.5 ft 5 Latitude: 37.17097 (decimal degrees)
WITH "X" IN Depth(s) Groundwater Encountered: 1)	ft Longitude 94:84519 (decimal degrees)
SECTION BOX: 2) ft 3) ft, or 4) Dry	Well Horizontal Datum X WGS 84 NAD 83 NAD 27 ft. Source for Latitude/Longitude:
N WELL'S STATIC WATER LEVEL: 4.27 X below land surface, measured on (mo-day-yr	
above land surface, measured on (mo-day-yr	/
Pump test data: Well water was	′ ····················
x after hours pumping	gpm Online Mapper
Water well was	it
sw se se after hours pumping gram	Source X Land Survey GPS Topographic Map
Estimated Yield: gpm Bore Hole Diameter: 7.25 in to	
s in to	ft
mile	
7 WELL WATER TO BE USED AS: 1 Domestic: 5 Public Water Supply: well ID	10 Oil Field Water Supply: lease
Household 6 Dewatering: how many wells?	11 Test Hole: well ID
Lawn & Garden 7 Aquifer Recharge: well ID	Cased Uncased Geotechnical
Livestock 8 X Monitoring: well ID MW2	12 Geothermal: How many bores?
2 Irrigation 9 Environmental Remediation: well ID	a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water
3 Feedlot Air Sparge Soil Vapor Extraction 4 Industrial Recovery Injection	Cotton (amonis)
Was a chemical/bacteriological sample submitted to KDHE? Yes X No	If yes, date sample was submitted:
Water well disinfected? Yes X No	CASDIC IODITS. Cloud Clouded Wolfed V Through
8 TYPE OF CASING USED: Steel X PVC Other Casing diameter 2 in to 4.5 ft, Diameter in to	CASING JOINTS: Glued Clampled Welded X Threaded ft, Diameter in. to ft,
Casing height above land surface -0.43 in. Weight	he /ft Well thickness or gauge No
Casing neight above land surface 10.15 In.	bs./it. Well thickness of gauge 110
TYPE OF SCREEN OR PERFORATION MATERIAL:	bs./ft. Well thickness or gauge No
TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC	Other (Specify)
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