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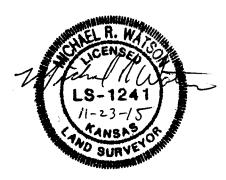
SURVEY OF MONITORING WELLS TITIAN EXPRESS LANE (WEST) COLUMBUS, KANSAS

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 | WATER WELL RECORD Form WWC-5 | | | | | | Division of Water | | | | | MXXIC | |
|--|--|---|---|---|---|---|--|------------------------|--|----------------------|--|---|--|
| | inal Record | Correction | Change in | Well Ust | | | Res | source | s App. No. | | Well ID | MW6 | |
| 1 LOC | CATION OF V | VATER WEL | L: | Fraction | | | | 1 | ection Numbe | 1 . | | Number | |
| Coun | | | | NW ¼ | NW ¼ | NE | | <u>-</u> | 13 | T 33 | | 23 X E W | |
| | LL OWNER: | | | First: | | | | | | l is located (if unk | | | |
| | Business: KDHE (Titian Express Lane) from nearest town or intersection): If at owner's address, check here: Address: 1000 SW Jackson ~80' SE of 301 W Maple, Columbus, KS | | | | | | | | | cic. | | | |
| Address: 1000 SW Jackson ~80' SE of 301 W Maple, Columbus, KS Address: | | | | | | | | | | | | | |
| City | | peka S | State: KS | ZIP: 666 | 12 | | | | | | | | |
| | ATE WELL | 4 I | DEPTH OF CO | MPLETED | WELL: | 15 | ft | 5 | Latitude: | 37.170 | ************************ | cimal degrees) | |
| | H "X" IN | Depth(| s) Groundwater E | incountered: | . 1) | | Ħ | | Longitude | | | ecimal degrees) | |
| SECTION BOX: 2) ft 3) ft, or 4) Dry Well NOTICE TO THE PROPERTY OF THE PROPER | | | | | | | | NAD 27 | | | | | |
| N WELL'S STATIC WATER LEVEL: 2.18 ft. Source for Latitude/Longitude: X below land surface, measured on (mo-day-yr) 11/16/15 GPS (unit make/model: | | | | | | | | , [| | | | | |
| above land surface, measured on (mo-day-yr) (WAAS et | | | | | | | | AAS enabled? | Yes No |)) | | | |
| Pump test data: Well water was ft | | | | | | ft | | | X Land S | urvey Topog | raphic Map | | |
| w after hours pumping gpm | | | | | | | 1 | | Online | Mapper | | | |
| Water well was ft | | | | | | | F1 4' | 000 77 6 | | I IV ITOO | | | |
| sw | sw se afterhours pumping | | | | gpm | 1 | 6 | Elevation | 908.77 ft | | ! | | |
| | Estimated Yield:gpm Bore Hole Diameter: 7.25 in to | | | | £ 0 | Source X Land Survey GPS Topographi and Other | | | | | | | |
| | <u> </u> | Bore | noie Diameter. | | in to | 11, a ft | iiu | | لـــا | | ••••• | *************************************** | |
| | 1 mile | | | | | | | | | | | | |
| 7 WEL | L WATER TO | BE USED AS: | | | | | | | 7 | | | | |
| 1 Domestic | | | Public Water Sup | | | | | 10 | _ | /ater Supply: leas | e | | |
| | sehold | | Dewatering: how | - | ? | | | 11 1 | est Hole: well Cased | Uncased | Geotechnic | | |
| 1 == | n & Garden | | Aquifer Recharge Monitoring: well | | | | | 12 G | eothermal: Hov | | Geolecinic | :A1 | |
| Lives | | _ | ronmental Remed | | ID | | | | Closed Loop | | l Vertic | al | |
| 3 Feed | | | Air Sparge | | apor Extrac | tior | | | Open Loop | | ischarge | | |
| 4 Indus | | <u></u> | Recovery | Injection | • | | | | Other (spec | | | | |
| | 1 10 (1.1 | | -1 | TE2 | Yes X | No | If you | doto o | ample was sub | mittad: | | | |
| Was a chem Water well d | | gical sample su Yes X No | idmitted to KD) | ure: [| res A | NO | II yes, | uaic s | ampie was suc | | ************************* | | |
| | _ _ | J | Steel V DVC | Other | - | | CASING I | OINT | 's Glu | ed Clampled | Welded | X Threaded | |
| 8 TYP | E OF CASING | in. to 3 | ft. Diame | ter | in. | to | ft, | D | iameter | in. to | ft, | A Threaded | |
| Casing heig | tht above land su | rface -0.42 | in. We | eight | | lbs./ | ft. We | ll thic | kness or gaug | e No | | | |
| TYPE OF | SCREEN OR | PERFORATIO | | | | | | | | | | | |
| Steel | Stainl | ess Steel | Fiberglass | X PV | 2 | | | Othe | r (Specify) | | | | |
| Brass | | nized Steel | Concrete tile | Nor | e used (op | en hole) | | | | | | | |
| | | TION OPENII | | | | | | | | | | | |
| | | X Mill Slot | | Wrapped | | rch Cut | <u></u> | illed I | - | Other (Specify | <u>()</u> | | |
| | | Key Punche | | | Sa | w Cut | | | pen Hole) | e Enam | £ 40 | ء ا | |
| | | INTERVALS: | From 3 | ft. to | 15 ft, | From | | n. to | | ft, From | | ft, | |
| | | NTERVALS: | | | | | | | | ft, From | ft. to | | |
| | MATERIAL: | | | ment grout | | | | | | G | **************************** | *************************************** | |
| i . | | | | rom | II. 10 | | II, F | ЮШ | 11. | toft, | | | |
| | irce of possiblic Tank | e contaminatio | Lateral Lines | ☐ Pit | Privy | | Liv | vestoc | l Pens | Insecticide | e Storage | | |
| l === ' | er Lines | | Cess Pool | | vage Lagoo | ın | Livestock Pens Insecticide Storage X Fuel Storage Abandoned Water Well | | | | | | |
| == | ertight Sewer Lir | <u></u> | Seepage Pit | | dyard | 11 | | | r Storage | Oil Well / | | | |
| ! | U | L. | ocepuge I II | | | | | | | | | | |
| ('' | r (Specity) | | | ***** | ance from | well? | .130' | | | ft | | | |
| Direction from | т (Specity) m well? NW | | | Dist | | | ~100 | | | | | | |
| Direction from | m well? NW | | LITHOLOG | | | T | FROM | | TO | LITHO. LOG (co | ont.) or PLUGGI | NG INTERVALS | |
| | m well? NW | Topsoil | LITHOLOG | | | | | | ТО | | ont.) or PLUGGI | NG INTERVALS | |
| 10 FROM 0 0.4 | m well? <u>NW</u> TO 0.4 2 | Silty clay w/ trac | LITHOLOG | GIC LOG | brick | | | | ТО | | ont.) or PLUGGI | NG INTERVALS | |
| 10 FROM 0 0.4 2 | m well? NW TO 0.4 2 10 | Silty clay w/ trac Silty clay | ce organics. & so | GIC LOG | brick | | | | ТО | | ont.) or PLUGGI | NG INTERVALS | |
| 10 FROM 0 0.4 | m well? <u>NW</u> TO 0.4 2 | Silty clay w/ trac | ce organics. & so | GIC LOG | brick | | | | TO | | ont.) or PLUGGI | NG INTERVALS | |
| 10 FROM 0 0.4 2 | m well? NW TO 0.4 2 10 | Silty clay w/ trac Silty clay | ce organics. & so | GIC LOG | brick | | | | TO | | ont.) or PLUGGI | NG INTERVALS | |
| 10 FROM 0 0.4 2 | m well? NW TO 0.4 2 10 | Silty clay w/ trac Silty clay | ce organics. & so | GIC LOG | brick | | FROM | | | | | | |
| 10 FROM 0 0.4 2 | m well? NW TO 0.4 2 10 | Silty clay w/ trac Silty clay | ce organics. & so | GIC LOG | brick | | FROM | | | LITHO. LOG (ec | | | |
| 10 FROM 0 0.4 2 10 | m well? NW TO 0.4 2 10 15.5 | Silty clay w/ trac Silty clay Silty clay w/ wes | ce organics. & sol | me gravel & | | | FROM | OHE I | ID: Titian Ex | LITHO. LOG (ex | i); U3-011-129 | 36 | |
| 10 FROM 0 0.4 2 10 11 CON | m well? NW TO 0.4 2 10 15.5 TRACTOR'S C | Silty clay w/ trac Silty clay Silty clay w/ wes | ce organics. & son | me gravel & | This water | well was | FROM Notes: KI | OHE I | (D: Titian Ex | LITHO. LOG (co | t); U3-011-129 | 36 under my | |
| 10 FROM 0 0.4 2 10 11 CON jurisdictic | m well? NW TO 0.4 2 10 15.5 TRACTOR'S Con and was comp | Silty clay w/ trac Silty clay Silty clay w/ wes Silty clay w/ wes DR LANDOWN Dieted on (mo-day | athered shale ER'S CERTIFIC (-year) 10/2 | me gravel & CATION: 1/15 and | This water | well was | FROM Notes: KI s X o the best of | OHE I | (D: Titian Ex | LITHO. LOG (ex | t); U3-011-129 | 36 under my | |
| 10 FROM 0 0.4 2 10 11 CON jurisdictic License N | m well? NW TO 0.4 2 10 15.5 TRACTOR'S Con and was comple 757 business name complex. | Silty clay w/ trace Silty clay w/ wes Silty clay w/ wes OR LANDOWN Detected on (mo-day This of Larsen & As | ee organics. & soi athered shale ER'S CERTIFIC (y-year) 10/2 Water Well Reconsociates. Inc. | CATION: | This water this record pleted on (1 | well was is true to | Notes: KI s X o the best of th | const of my 2/15 | ID: Titian Ex tructed, knowledge ar | press Lane (West | plugged Vater Well Co | under my | |
| 10 FROM 0 0.4 2 10 11 CON jurisdictic License N | TRACTOR'S Con and was comple 757 business name 6 Mail 1 white | Silty clay w/ trace Silty clay w/ wes Silty clay w/ wes OR LANDOWN Detected on (mo-day This of Larsen & As copy along with a | ee organics. & soi athered shale ER'S CERTIFIC (y-year) 10/2 Water Well Reconsociates. Inc. | CATION: 1/15 and and was compact to constructed. | This water this record pleted on (1 | well was is true to mo-day-y | Notes: KI S X o the best of year) 12/2 | const of my 2/15 | tructed, knowledge ar | press Lane (West | plugged Vater Well Co | under my | |
| 10 FROM 0 0.4 2 10 11 CON' jurisdictic License N under the | m well? NW TO 0.4 2 10 15.5 TRACTOR'S Con and was comple 757 business name 6 Mail 1 white 1000 SW J | Silty clay w/ trace Silty clay w/ wes Silty clay w/ wes OR LANDOWN Detected on (mo-day This of Larsen & As copy along with a | ee organics. & sociathered shale ER'S CERTIFIC (y-year) 10/2 Water Well Reconsociates. Inc. fee of \$5.00 for eaco, Topeka, Kansas | CATION: 1/15 and and was compact to constructed. | This water this record pleted on (1 | well was is true to mo-day-y | Notes: KI S X o the best of year) 12/2 | const of my 2/15 | tructed, knowledge ar | press Lane (West | plugged Water Well Co GWTS Section 785-296-5524 | under my | |