| 1 LOCAT | ION OF WATE | D WELL: | ı- | raction | ATER V | WELL RE | CORD | For | n WWC-5 | KS ction N | A 82a | | Tour | nehin A | lumber | Don | ge Numbe | - |
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| | nd direction fro | | | | | | | | | • | | | | | 3 | 1 1 | | |
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| 2 WATER | WELL OWNE | R: Kai | nsas St | ate Ur | nivers | sity Att | n: Ke | elly (| Greene | | | | | | | | | |
| RR#, St. A | ddress, Box # | : 108 | Edwa | rds Ha | Ш | | | | | | | 1 | Board | of Agri | culture, Div | ision of W | ater Resou | ırces |
| City, State, | ZIP Code | : Ma | nhattar | 1, KS 6 | 6505 | i . | | | | | | | Applica | ation N | umber: | | | |
| 3 LOCAT | E WELL'S LO | CATON W | /ITH 4 , | DEDTU C |)F 001 | ADI ETER | NA/E1 1 | | 3 | ء | | -\ /A - TI | ON. | | 4 | 1035 24 | | |
| -JAN "X" I | IN SECTION E N | SUX: | ' | JEP I H C | JF CON | APLETEL | , WELL | - | 3 | 4.5 | i. ELE | EVAII | UN: | | | 3 | | ح ا∵۔۔۔ |
| l A F | : 1 | | 1 Dep | tn(s) Gro | unowai | er Encol | interea VC | 1.5 | | +.5 | | π. 2 | | | π. | . | 2/42/42 | Ft. C |
| | <u>.i.,</u> | .i_ | | | | | | | | | | | | | | /yr (| | ƙ |
| | NW | NE | | | | | | | | | | | | | | pumping | | |
| ₽ w_ | x | - | Est. | Yield | | Gpm: or a | well v | vater v | vas | | | rt. an | er | | Hours | pumping | | Gpm n |
| ₹ ∨ Γ | | i | Bore WE | Hole Di | ameter | O.S SETTREC |) in. Nă⊊∙ | to 5 Dil | olic water | Supply | | nt. a | IND R Air | conditio | il nina 1 | n. to | n well | ^{Ft.} 7 |
| | swl_ | SE |] ''-' | 1 Dome | estic | 3 Feed l | ot | 6 Oil | field wate | r supply | y | , | 9 Dev | vatering |) III 1 | 11 Injection 12 Other (\$ | Specify bel | low) |
| | 1 | - UL | 1 | 2 Irriga | tion 4 | 4 Industi | rial | 7 Lav | wn and ga | rden (d | omes | tic) | 10 M | onitorin | a well | Ň | W-5 | 1 |
| * L | <u> </u> | <u> </u> | | | | | | | | | | | | | | s, mo/day/y | | vac . |
| | S | | 1 | mitted | ican bac | iteriologic | ai Jaiii | pic 3u | Dirinted to | Depai | | | | | ed? Yes | | No X | vas |
| 5 TYPE C | F BLANK CA | SING LISE | | | - | Wmun | ht Iron | | 8 Cons | rete til | | | | | | ed | | |
| 1 St | | | MP (SR) | | | | | | 9 Othe | | | | J/7011 | | | ded | Jianipeu | |
| 2 PV | | \int_{4}^{3} | | | | / Fiberg | | | | | | | | | | aded | Υ Y | |
| | | | | | | Ft | | | | | | | | | *************************************** | | | |
| Blank casir | ng diameter | 2 | in. t | io | 20 | Dia | | | In. | to | . | ft. | , Dia | | | in. to | | ft. |
| Casing heigh | ght above land | surface | FL | USH | In., | weight | | SC | H 40 | | Lbs./f | t. Wa | ll thick | ness o | r gauge No |). | | |
| | SCREEN OR F | PERFORA | AM NOIT | TERIAL: | | | | | 7 | PVC | | | 1 | 0 Asb | estos-ceme | ent | | i |
| 1 Ste | eel | 3 St | ainless st | eel | 5 | Fiberg | lass | | 8 | RMP | (SR) | | <u> </u> | 1 Othe | er (specify) | | |] _ |
| 2 Br | | 4 G | alvanized | steel | 6 | Concre | ete tile | | 9 | ABŞ | | | 1 | 2 Non | e used (op | en hole) 11 None | | |
| | OR PERFORA | | | | | | | | i wrapped | | | | | | | 11 None | (open hol | e) |
| i | ontinuous slot | | 3 Mill s | | | | | | apped | | | | | d holes | | | | |
| 1 | uvered shutte | | | | | | 7 T | | | | | 10 | Othe | r (spec | ify) | - | | |
| SCREEN-F | PERFORATED | INTERV | | | | | | | | | | | | | | to | | |
| | | | F | rom | | | ft. to | | | | ft. | From | | | ft. | to | | ^{Ft.} ⊲ |
| SA | ND PACK INT | ERVALS: | | | | | | | | | | | | | | to | | 1 |
| <u> </u> | | | | | | | | | | | ft. | From | | | ft. | to | | Ft. |
| GROUT | MATERIAL: | 1 N | eat cemer | nt | 2 Ce | ment gro | out | | 3 Be | ntonite | J | 4 C | ther | - | | | | |
| Grout Interv | vals From2 | 0.5 | ft. to | 1 | 6 | Ft. From3 | | 16 | Ft. | | 18 | 3 | ft. I | From | | ft to | | ft |
| | nearest source | | | | | | | | | | | | pens | | | andoned v | | " |
| 1 Se | ptic tank | • | 4 L | ateral lin | es | 7 | 7 Pit p | rivy | | | | | | | | well/ Gas | | |
| 2 Se | wer lines | | 5 (| Cess poo | l | 8 | 3 Sew | age la | igoon | | | | torage | | | her (specif | | |
| 3 Wa | atertight sewer | lines | | Seepage | | | Fee | • | _ | | | | stora | | | ntamin | | e e |
| Direction fro | - | | | . • | | | | _ | | | man | | | - | | | | |
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| 7 CONTE | ACTOR'S OR | LANDOM | NED'S C | ERTIFIC | ΔΤΙΩΝΙ- | Thie wo | ter wel | lwee | (v) const- | inted / | 2) roc | onetr | icted | Ot (3) - | lugged | der my hud | diction a- | dw |
| Completed | on (moldouber | | MER 3 C | 17 HEIO. | 7110N: 3/19/1 | . 11115 Wa 3 | ici wei | was | (∧) WHSHL 4 h~A | ivieu, (| ∠)(e C omdic | truc to | the b | ui(3)p wester | nugg e a und nu kaanda | rei iliy julis | diof Von- | u w |
| Water Wall | on (mo/day/yr | icense No | | | | 5 85 | | | Thic! | Matar \ | 014 IS Mail D | acced | , u i e 0 | real UI I | ed on (me | ige and be /day/yr) | າເອາ. r\ansa 00/12/1 | 3 |
| | Contractor's Lusiness name | | , | Assoc | iated | Envir | nme | | | | | | | | - | ·uay/yr) . Johns | | |
| | UCTIONS: Ple | | | | | | | | | | | | | | | | | |
| Kanca | 66620_0001 | Telephone | 013-206- | 5545 SA | nd one t | WATER | WELL | OWNE | D and reta | in one i | or vou | r recor | de ` | | 17 | DET 17 | 1 | . |



April 2, 2013

Associated Environmental, Inc. Brad Johnson 404 Pottawatomie Manhattan, KS 66502

Email: H2OGuys@sbcglobal.net

RE:

Project No. 1303MN1065

Dear Brad:

The following is the information requested on a Monitoring Well Site, KSU Ashland Bottoms, 2850 West 32nd

Avenue, Manhattan, Riley County, Kansas.

| | ,, - | | Distance | From | Elev. Top | Elev. Top | 9 co- dan | | | |
|---------------------------------|--|--|---|---|--|---|--|----------------------------------|-----|--|
| | North | East | SE Cor. | S.1 | Of Rim or | of PVC | Latitude | Longitude | | |
| Point | Coord. | Coord. | North | West | PK Nail | Pipe | North | West | | |
| SE Corner S.1-T11S-R7E | 10000 | 10000 | | | | | | | _ | |
| AW1 | 12740.71 | 5250.63 | 2740.71 | 4749.37 | 1034.85 | 1034.28 | 39.12450 | 96.61364 | | |
| ∕IW2 | 12782.47 | 5286.16 | 2782,47 | 4713.84 | 1034.42 | 1033.91 | 39.12458 | 96.61358 | | |
| AW3 | 12824.41 | 5256.73 | 2824.41 | 4743.27 | 1034.30 | 1033.88 | 39.12472 | 97.09222 | | |
| ∕IW4 | 12733.20 | 5300.11 | 2733.20 | 4699.89 | 1034.77 | 1034.31 | 39.12447 | 96.61353 | | |
| 1W5 | 12750.76 | 5157.60 | 2750.76 | 4842.40 | 1035.24 | 1034.69 | 39.12450 | 96.61403 | | |
| AW6 | 12670.03 | 5247.14 | 2670.03 | 4752.86 | 1035.26 | 1034.87 | | | | |
| ite BM | 12735.95 | 5230.51 | 2735.95 | 4769,49 | | BM Elevation | on = 1035.54 | | | |
| AW1 AW2 AW3 AW4 AW5 | 12740.71 12782.47 12824.41 12733.20 12750.76 12670.03 | 5250.63 5286.16 5256.73 5300.11 5157.60 5247.14 | 2782,47 2824,41 2733,20 2750,76 2670,03 | 4713.84 4743.27 4699.89 4842.40 4752.86 | 1034.42 1034.30 1034.77 1035.24 | 1033.91 1033.88 1034.31 1034.69 1034.87 | 39.12458 39.12472 39.12447 39.12450 | 96.61358 97.09222 96.61353 | 8 2 | |

BM Description: "" Square cut on northwest corner of concrete pump island.

MW1, MW2, MW3, MW4, MW5, MW6 are in the:

SE'4 SW'4 SW'4 NW'4 S.1-T11S-R7E

If you have any questions please do not hesitate in giving us a call.

Sincerely,

Tim Sloan, L.S. SMH CONSULTANTS