Section Number 1 LOCATION OF WATER WELL: Township Number Fraction Range Number NW ¼ 11 SW 1/4 SW Rilev County: s E Distance and direction from nearest town or city street address of well if located within city? 2850 West 32nd Ave., Manhattan, KS 2 WATER WELL OWNER: Kansas State University Attn: Kelly Greene RR#, St. Address, Box # : 108 Edwards Hall Board of Agriculture, Division of Water Resources : Manhattan, KS 66505 City, State, ZIP Code Application Number: LOCATE WELL'S LOCATON WITH 4 DEPTH OF COMPLETED WELL 30 ft. ELEVATION: 1034.85 AN "X" IN SECTION BOX: Depth(s) Groundwater Encountered 1.5 **24.5** ft. 2 ft. 3 Ft. WELL'S STATIC WATER LEVEL 24.16 ft. below land surface measured on mo/day/yr 03/13/13 ŇE. Pump test data: Well water was Ft. after hours pumping Gpm .NW. Est. Yield _____ Gpm: Well water was _____ Ft. after ____ Hours pumping ____ Gpm X Bore Hole Diameter 8.5 In. to 30 ft. and in. to Ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) w SW SE 2 Irrigation 4 Industrial 7 Lawn and garden (domestic) 10 Monitoring well MW-1 Was a chemical/bacteriological sample submitted to Department? Yes No X If yes, mo/day/yr sample was Submitted Water Well Disinfected? Yes No X 5 TYPE OF BLANK CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued Clamped 3 RMP (SR) Welded 6 Asbestos-Cement 9 Other (specify below) 4 ABS 2 PVC 7 Fiberglass Threaded X Ft.. 15 Dia Blank casing diameter 2 in. to In. to ft., Dia in. to ft. Casing height above land surface FLUSH In., weight SCH 40 Lbs./ft. Wall thickness or gauge No. 7 PVC 10 Asbestos-cement TYPE OF SCREEN OR PERFORATION MATERIAL: 11 Other (specify) 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 3 Mill slot 1 Continuous slot 6 Wire wrapped 9 Drilled holes 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) From 15 ft. to 30 ft. From ft. to ft. SCREEN-PERFORATED INTERVALS: From ft. to ft. From ft. to Ft. ft. to 30 ft. From ft. to Ft. SAND PACK INTERVALS: ft. to From ft. From ft. to 6 GROUT MATERIAL: 3 Bentonite 4 Other 2 Cement grout Neat cement Ft. Ft. Grout Intervals From2 0.5 ft. to 12 12 to ______ft. From _______ft. to ______ft. From3 What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/ Gas well 2 Sewer lines 16 Other (specify below) 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 6 Seepage pit **Contaminated Site** 3 Watertight sewer lines 9 Feedyard 13 Insecticide storage Direction from well? How many feet? FROM CODE LITHOLOGIC LOG PLUGGING INTERVALS 0 0.5 Gravel 贸 Clayey Silt 0.5 24 24 24.5 Limestone gravel & sand 24.5 30 Sand 30 TD **End of Borehole** 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (x) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and w Completed on (mo/day/yr) 03/11/13 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/yr) 09/12/13 Associated Environmental, Inc. By (signature) Bradley J. Johnson under the business name of INSTRUCTIONS: Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Burg Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records."



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 CB- 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 = 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