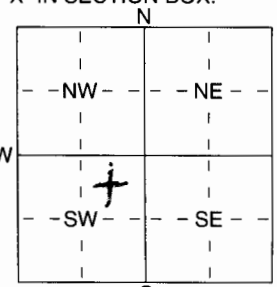


1 LOCATION OF WATER WELL: Fraction NE 1/4 SW 1/4 Section Number 15 Township Number T 6 S Range Number R 15 W
 County: Jackson

Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: U.S. Army Corp of Engineers - KC District
 RR#, St. Address, Box # : 601 E 12th St. Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Kansas City, mo 64106 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  DEPTH OF COMPLETED WELL 25.0' ft. ELEVATION: ft.
 Depth(s) Groundwater Encountered 1 ft. 2 ft. 3 ft.
 WELL'S STATIC WATER LEVEL 13.88' ft. below land surface measured on mo/day/yr
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
2 PVC 4 ABS 7 Fiberglass Threaded 3
 Blank casing diameter in. to 15' ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface Flush in., weight lbs./ft. Wall thickness or gauge No. 5 ch. 40
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-Cement
 1 Steel 3 Stainless Steel 5 Fiberglass 8 RMP (SR) 11 Other (Specify)
 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)
1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes 0
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) ft.
 SCREEN-PERFORATED INTERVALS: From 15' ft. to 25' ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 13' ft. to 25' ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 1' ft. to 13' ft., From ft. to ft., From ft. to ft.
 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 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage old missile site
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was 1 constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 8-2-03 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No LOL This Water Well Record was completed on (mo/day/yr) 8-24-03 under the business name of PSA Environmental by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

HTW DRILLING LOG

HOLE NO. **PSB-2(3)**

1 COMPANY NAME **HYDROGEOLOGIC, Inc.**

2 DRILLING SUBCONTRACTOR **PSA ENVIRONMENTAL**

SHEET 1 OF 4 SHEETS

3 PROJECT **FORBES S-9**

4 LOCATION **HOLTON, KS**

5 NAME OF DRILLER **BILL WILSON / AARON BUTLER**

6 MANUFACTURER'S DESIGNATION OF DRILL **GEOPROBE 6600**

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

GEOPROBE MACROCORE SAMPLER

8 HOLE LOCATION **~ 30' EAST OF MW-944**
 9 SURFACE ELEVATION

10 DATE STARTED **08/02/2005** 11 DATE COMPLETED **08/02/2005**

12 OVERBURDEN THICKNESS **25.0**

15 DEPTH GROUNDWATER ENCOUNTERED **~ 13' BGS**

13 DEPTH DRILLED INTO ROCK **∅**

16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14 TOTAL DEPTH OF HOLE **25.0**

17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY) **MW-944-20.12' TOC @ 1725. 8/2/05, GS-17.66**

18 GEOTECHNICAL SAMPLES **N/A**

DISTURBED UNDISTURBED

19 TOTAL NUMBER OF CORE BOXES

20 SAMPLES FOR CHEMICAL ANALYSIS **N/A**

VOC METALS OTHER (SPECIFY) OTHER (SPECIFY) OTHER (SPECIFY)

21 TOTAL CORE RECOVERY %

22 DISPOSITION OF HOLE **BENTONITE**

BACKFILLED MONITORING WELL OTHER (SPECIFY)

23 SIGNATURE OF INSPECTOR *Ala Little*

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	FLOW COUNTS g	REMARKS h
	1	TOP SOIL, SILTY CLAY, VERY DARK GRAY BROWN (10 YR 3/2), DRY, HARD, NON-PLASTIC, ROOTLOTS	○	CORUS-1	N/A	N/A	IBMS BEHN DRILLANTS
	2	SILTY CLAY, DARK YELLOW BROWN (10 YR 3/4), DRY, HARD, NON-PLASTIC	○	5.0 / 5.0			
	3		○				
	4		○				
	5		○				1680

HTW DRILLING LOG (CONT.)							HOLE NO. PSB-2
PROJECT FORBES S-9			INSPECTOR ACAN RITZERS			SHEET OF 2 SHEETS 4	
ELEV. a	DEPTH. b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		SAME AS ABOVE		CORC-2	N/A	N/A	
	6	SILTY CLAY DK YELLOW BROWN + GRAY (104R 5/1), DAMP, VERY STIFF, TRACE PLASTIC TRACE SAND & GRAVEL	0	5.0/ 5.0			
	7	PRESENT. BLACK MANGANESE STAINING & IRON STAINING.	0				
	8		0				
	9		0				
	10	SILT & SAND, SOME CLAY, FINE-GRAINED, YELLOW BROWN (104R 5/4), MOIST, SOFT, MED. PLASTICITY	0	CORC-3	N/A	N/A	1455
	11	SILTY CLAY, SOME SAND & GRAVEL DK. YELLOW BROWN (104R 4/6), DAMP, STIFF, MED PLASTICITY	0	5.0/ 5.0			
	12		0				
	13	MOTTLED LIGHT BROWN GRAY (104R 6/2)	0				8/1/2005 1830 ▽
	14		0				

HTW DRILLING LOG (CONT.)

HOLE NO.
PSB-2

PROJECT
FORBES S-9

INSPECTOR
Alan Rittgers

SHEET
OF 3 SHEETS 4

ELEV. a	DEPTH. b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	15	SAME AS ABOVE WITH INCREASING GRAVEL AND SAND CONTENT	0				1659
	16		0	CORE-4	N/A	N/A	
	17		0	5.0 /5.0			
	18		0				
	19		0				
	20	SAND, TRACE SILT, YELLOW BROWN (10YR 5/4), WET, SOFT, FINE-GRAINED, WELL SORTED.	0				163
	21		0	CORE-5	N/A	N/A	
	22		0	5.0 /5.0			
	23	SILTY CLAY, MOTTLED LIGHT BROWNISH GRAY (10YR 6/6) TO YELLOW BROWN (10YR 5/4), DAMP TO MOIST, VERY STIFF, MED TO HIGH PLASTIC	0				

HTW DRILLING LOG (CONT.)

HOLE NO. **PSB-2**

PROJECT **FORBES S-9**

INSPECTOR **ALAN RITZGERS**

SHEET OF **4** SHEETS **4**

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	24	SILTY CLAY, VERY DARK GRAY (10% 2/1), DAMP, VERY STIFF, MED PLASTICITY	0	CRW-5	N/A	N/A	
	25		0				1715
		TOTAL DEPTH 25.0'					END DRILLING 1810 BACKFILLED BORING



WELL CONSTRUCTION (STANDARD) DETAILS FORM

FIELD REPRESENTATIVE: ALAN RITZGERS

TYPE OF FILTER PACK: PER-PACK SAND & SCREEN

DRILLING CONTRACTOR: PSA ENVIRONMENTAL

GRADATION: 20/40
AMOUNT OF FILTER PACK USED: _____

DRILLING TECHNIQUE: DIRECT PUSH
AUGER SIZE AND TYPE: 3"

TYPE OF BENTONITE SEAL: BENTONITE
QUANTITY USED: _____

BOREHOLE IDENTIFICATION: PSW-4

TYPE OF GROUT: BENTONITE

BOREHOLE DIAMETER: 3"

AMOUNT GROUT USED: _____

WELL IDENTIFICATION: PSW-4

WELL CONSTRUCTION START DATE: 8/3/2005

WELL CONSTRUCTION COMPLETE DATE: 8/3/2005

DIMENSIONS OF SECURITY CASING: 4"X4"X5'

SCREEN MATERIAL: PVC

TYPE OF WELL CAP: J-PUG

SCREEN DIAMETER: 1" ID (0.010" SLOTS)

TYPE OF END CAP: SOLID POINT

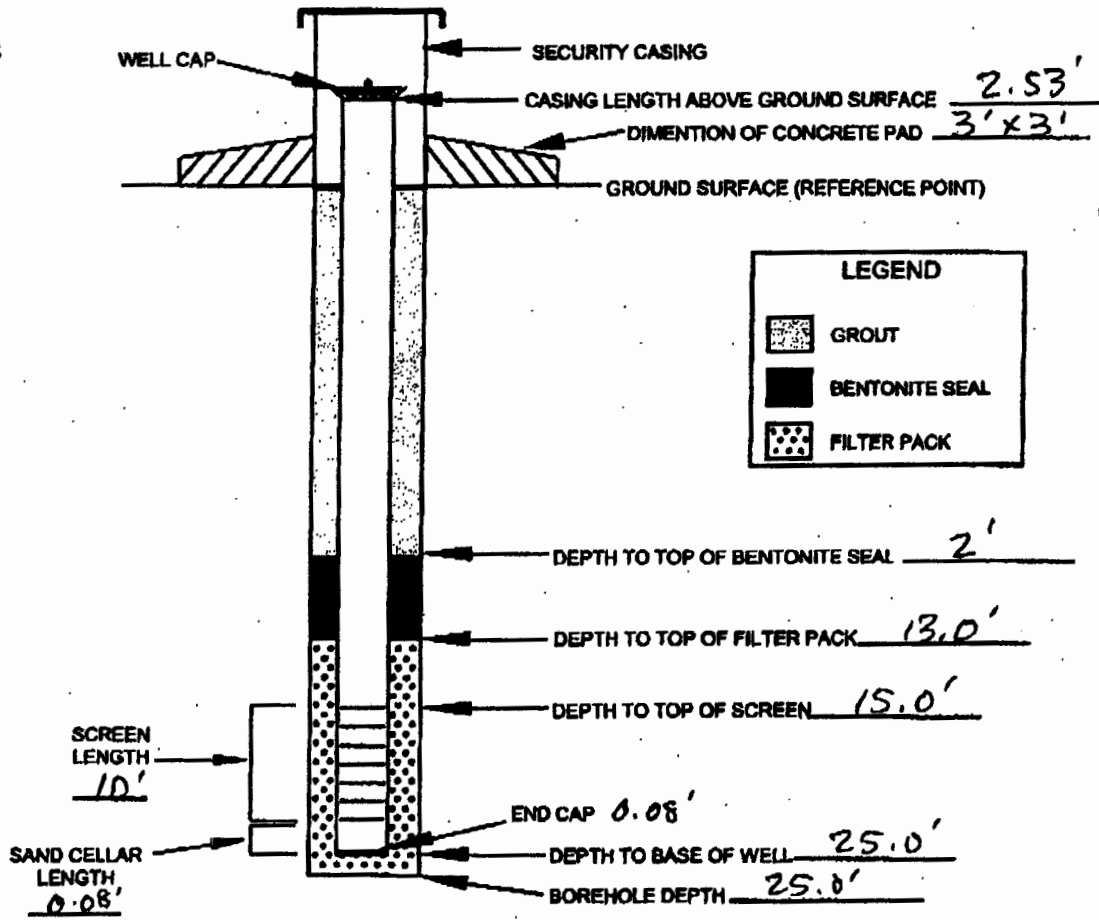
STRATUM-SCREENED INTERVAL (FT): 15'-25'

COMMENTS:

CASING MATERIAL: PVC

CASING DIAMETER: 1" ID

SPECIAL CONDITIONS
(describe and draw)



LEGEND	
	GROUT
	BENTONITE SEAL
	FILTER PACK

NOT TO SCALE

INSTALLED BY: PSA ENVIRONMENTAL INSTALLATION OBSERVED BY: ALAN RITZGERS

DISCREPANCIES: _____