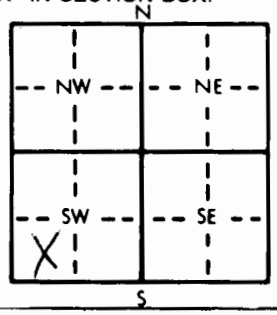
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Butler | Fraction: NE ¼ SW ¼ SW ¼ | Section Number: 27 | Township Number: T 27 S | Range Number: R 4 E/W

Distance and direction from nearest town or city street address of well if located within city? See #2

2 WATER WELL OWNER: Williams Pipeline Co.
RR#, St. Address, Box # : 2nd & Oak
City, State, ZIP Code : Augusta, KS.
Board of Agriculture, Division of Water Resources Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 22 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 22.15 ft. below land surface measured on mo/day/yr 5-3-89
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 8 in. to ft., and in. to ft.
WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
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: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued Clamped Welded Threaded X
Blank casing diameter 2 in. to ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 1.94' in., weight lbs./ft. Wall thickness or gauge No. SCH 40
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 12 ft. to 22 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 10 ft. to 27 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 0 ft. to 7 ft., From 7 ft. to 10 ft., From ft. to ft.
What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? All How many feet? 0

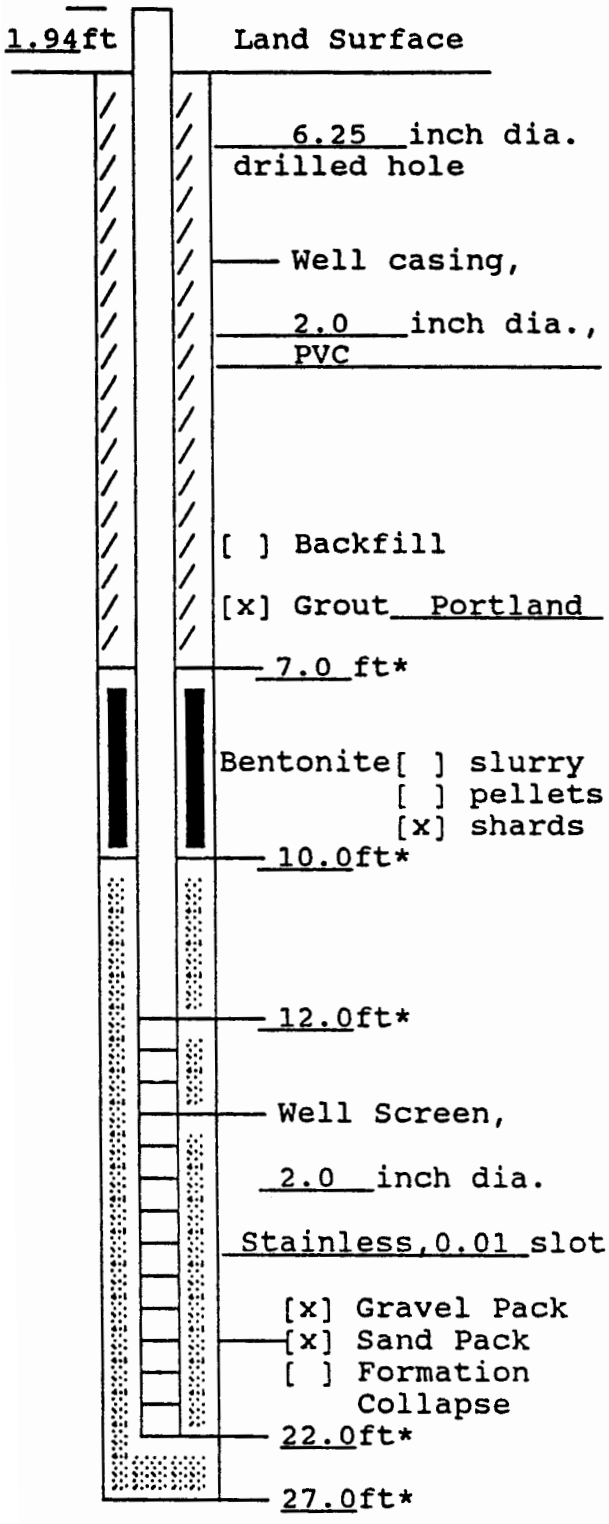
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
					Geraghty & Miller # 6M25

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) 5-2-89 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 468 This Water Well Record was completed on (mo/day/yr) under the business name of J & R Drilling Services Inc. by (signature) Ray Coons

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 Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

GERAGHTY &
MILLER, INC.

WELL CONSTRUCTION LOG



Measuring Point is Top of Well Casing Unless Otherwise Noted.

NA = Not Applicable

* = Depth below land surface

Project OK1333RC01 Well GM2S

Town/City Augusta

County Butler State KS

Permit No. NA

Measuring Point(*)Elevation
[x]surveyed
ft AMSL [ ]estimated
(*)Measuring Point is top of casing

Installation Dates(s) 5/2/89

Drilling Method Hollow Stem Auger

Drilling Contractor J&R Drilling

Drilling Fluid NA

Development Techniques(s) and Dates(s)

Bailing; 5/5/89

Fluid Loss During Drilling NA gal

Water Removed During Dev. 7.0 gal

Static Depth to Water 22.15 ft below MP

Pumping Depth to Water NA ft below MP

Pumping Duration NA hours

Yield NA gpm Date

Specific Capacity NA gpm/ft

Well Purpose Ground-water monitoring

Remarks

Bentonite plug hydrated w/ distilled water.

Prepared by JPS

GERAGHTY &
MILLER, INC.

SAMPLE/CORE LOG

Boring/Well GM2S Project/No. OK1333RC01 Page 1 of 1

Site Location Augusta, KS | Drilling Started 10:25 | Drilling Completed 11:40

Total Depth Drilled 27.0 feet | Hole Diameter 6.25 inches | Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 5'x 3.75" | Sampling Interval Continuous feet

Land-Surface Elev. _____ feet [x]Surveyed [ ]Estimated Datum AMSL

Drilling Fluid Used None | Drilling Method H.S. Auger

Drilling Contractor J&R Drilling | Driller John Coons | Helper Greg

Prepared By JPS | Hammer Weight NA | Hammer Drop NA inches

Smpl/Core Depth (ft BLS) From	To	Core Rec. (ft)	Time/Hydraulic Press. or Blows/6 in.	Sample/Core Description
0.0	4.0	4.0	03	SILTY CLAY- (topsoil fill), drk. brn., pliable,
				few organics, sl. damp, no odor.
4.0	5.0			SILTY CLAY- brn. abund. white granular material,
		2.8		Fe oxide staining, sl. pliable, no odor.
5.0	9.0		01	SLUDGE/CLAY- blk., v. pliable, sl. damp,
				hydrocarbon odor, <HNU = 5-10 ppm>.
9.0	14.0	4.0		CLAY- blk., stained w/ hydrocarbons, silty,
				pliable, damp w/ hydrocarbons, hydrocarbon odor,
				<HNU = 100-140 ppm>.
14.0	19.0	4.0		CLAY- drk. grey, sl. silty, sl. pliable, dense,
				sl. damp, v. sl. hydrocarbon odor.
19.0	24.0	5.0		CLAY- drk. grey, sl. silty, dense, sl. damp,
				few blk. organics, hydrocarbon odor.
24.0	25.0	1.0		CLAY- " " "
25.0	27.0	2.0	05	SAND- lt. grey, v.f. grained, silty, clayey,
				poorly sorted, sl. hydrocarbon odor, wet.