

1 LOCATION OF WATER WELL: County: Johnson Fraction: SE 1/4 SE 1/4 SE 1/4 Section Number: 4 Township Number: T 125 S Range Number: R 24 EW

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

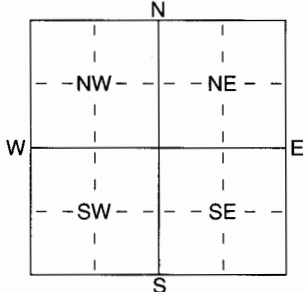
55th and Plum, Shawnee, KS

2 WATER WELL OWNER: Magellan Pipeline Co. LLC

RR#, St. Address, Box #: 53rd and Summit City, State, ZIP Code: Shawnee, 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: 28 ft. ELEVATION: 931.05



Depth(s) Groundwater Encountered 1 ... ft. 2 ... ft. 3 ... ft. WELL'S STATIC WATER LEVEL ... 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: 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 ...

Blank casing diameter: 2 in. to 22.5 ft., Dia in. to ... ft., Dia in. to ... ft. Casing height above land surface ... 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 22.5 ft. to 27.5 ft. From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 21.5 ft. to 28 ft. From ... ft. to ... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 1.0 ft. to 21.5 ft. From ... ft. to ... ft.

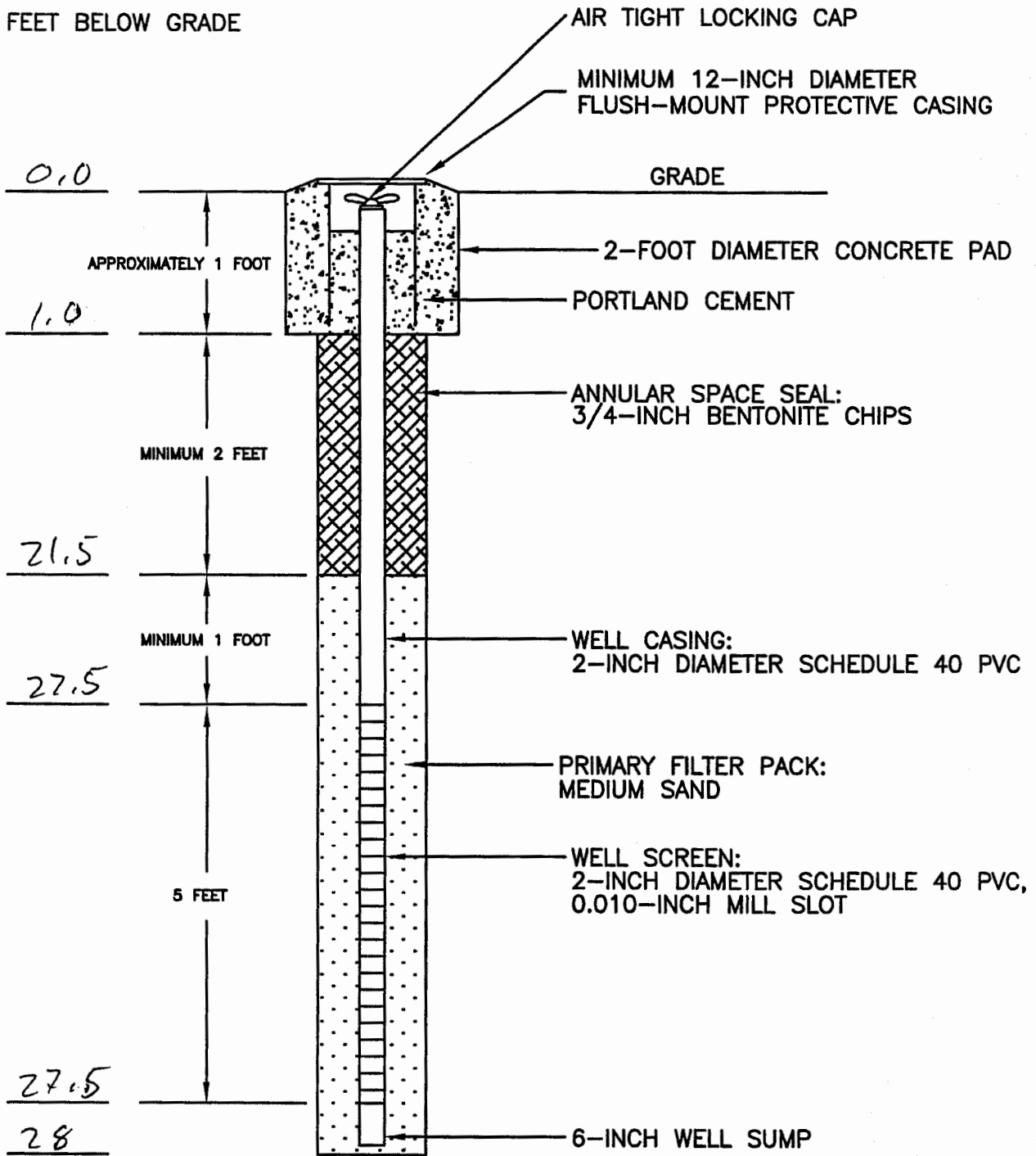
What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well? How many feet?

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, PLUGGING INTERVALS. Content includes 'See attached Geologic log'.

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) 6/15/04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 658 This Water Well Record was completed on (mo/day/yr) 7/25/04 under the business name of Boart Longyear Env. Drilling Division by (signature) [Signature]

FEET BELOW GRADE



NOT TO SCALE

COMPLETED ON: 6/15/04

DATE	REVISED	Prepared By:	MAGELLAN PIPELINE COMPANY, LLC.
		LEGGETTE, BRASHEARS & GRAHAM, INC.	55th & PFLUMM / 53rd & SUMMIT RELEASE SITE
		Professional Ground-Water and Environmental Engineering Services	SHAWNEE, KANSAS
		2103 Burlington Street	MONITORING WELL 14 CONSTRUCTION DIAGRAM
		North Kansas City, Missouri 64116	FLUSH GRADE COMPLETION
		(816) 421-7766	FILE: MW 14.DWG DATE: MAY 2004 FIGURE: 1

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

North Kansas City, Missouri

OWNER: Magellan Pipeline Company, LLC

TEST HOLE: MW-14

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SITE LOCATION: 53rd and Summit

SCREEN SIZE & TYPE:

SLOT NO.:

SETTING:

DATE COMPLETED: 06/15/04

SAND PACK SIZE & TYPE:

DRILLING COMPANY: Boart Longyear

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Rotasonic

SETTING:

SAMPLING METHOD:

SEAL TYPE:

OBSERVER: Brandon Gomer

SETTING:

REFERENCE POINT (RP) MW-06 Top of Casing

BACKFILL TYPE

ELEVATION OF RP: 931.05

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION: X

DURATION:

YIELD:

REMARKS:

ABBREVIATIONS: MC=MACRO CORE W=WASH C=CUTTINGS G=GRAB ST=SHELBY TUBE

REC=RECOVERY PPM=PARTS PER MILLION

FBG=FEET BELOW GRADE

DEPTH (Feet)		SAMPLE TYPE	RECOVERED (Feet)	PID READING (ppm)	DESCRIPTION
FROM	TO				
0	1	G	5.0	0.0	CLAY, medium yellow brown, firm, minor mottling, organics; some silt
1	2			2.9	1.5-2.0' wood
2	3			5.4	TRANSITION: increasing black and gray mottling with depth
3	4			4.8	
4	5			2.1	
5	6		5.0	0.0	CLAY, medium yellow brown, mottling, firm; some silt
6	7			0.0	
7	8			5.2	7.5' - dark clay lens
8	9			5.4	CLAY, medium yellow brown, firm varves; some silt
9	10			6.0	
10	11		5.0	3.9	
11	12			6.1	
12	13			3.7	
13	14			2.5	
14	15			5.9	
15	16		5.0	0.1	
16	17			6.4	small red clasts of rock
17	18			9.2	traces of light gray and beige clay
18	19			7.1	
19	20			5.6	

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20	21		5.0	4.3	CLAY, yellow brown, less mottling, firm; some silt
21	22			5.7	
22	23			6.9	more friable
23	24	G		5.1	23.25' - LIMESTONE and CLAY, clasts, med yellow brown; trace sand
24	25			4.3	LIMESTONE, crystalline; trace silt
25	26	G	4.0	2.2	LIMESTONE and CLAY, gravel to cobble size clasts, medium orange brown
26	27			5.8	LIMESTONE, pebble size minor clay, odor (?)
27	28	G	3.0	1.0	LIMESTONE, crystalline, pebble to gravel size clasts; minor gray shale
terminated					

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