

1 LOCATION OF WATER WELL: County: <u>Johnson</u>	Fraction <u>SE 1/4 SE 1/4 SE 1/4</u>	Section Number <u>4</u>	Township Number <u>T 12S</u> <u>(S)</u>	Range Number <u>R 24</u> <u>(EW)</u>
---	---	----------------------------	--	---

Distance and direction from nearest town or city street address of well if located within city?  
55th and Pflumm / 53rd + Summit Shawnee, KS

2 WATER WELL OWNER: Magellan Pipeline Co. LLC  
 RR#, St. Address, Box # : 53rd + Summit Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : Shawnee, KS Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL ..... <u>9.5</u> ft. ELEVATION: ..... <u>113.5</u>
--	--

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:

1 Domestic	3 Feedlot	5 Public water supply	8 Air conditioning	11 Injection well
2 Irrigation	4 Industrial	6 Oil field water supply	9 Dewatering	12 Other (Specify below)
		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	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued ..... Clamped .....
2 PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded .....
		7 Fiberglass		Threaded .....

Blank casing diameter ..... 2 in. to 4.0 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.

Casing height above land surface ..... Flushmount in., weight ..... lbs./ft. Wall thickness or gauge No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless Steel	5 Fiberglass	7 PVC	10 Asbestos-Cement
2 Brass	4 Galvanized Steel	6 Concrete tile	8 RMP (SR)	11 Other (Specify) .....
			9 ABS	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) .....	ft.

SCREEN-PERFORATED INTERVALS: From ..... 4.0 ft. to ..... 9.0 ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From ..... 3.0 ft. to ..... 9.0 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 ..... 3.0 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:

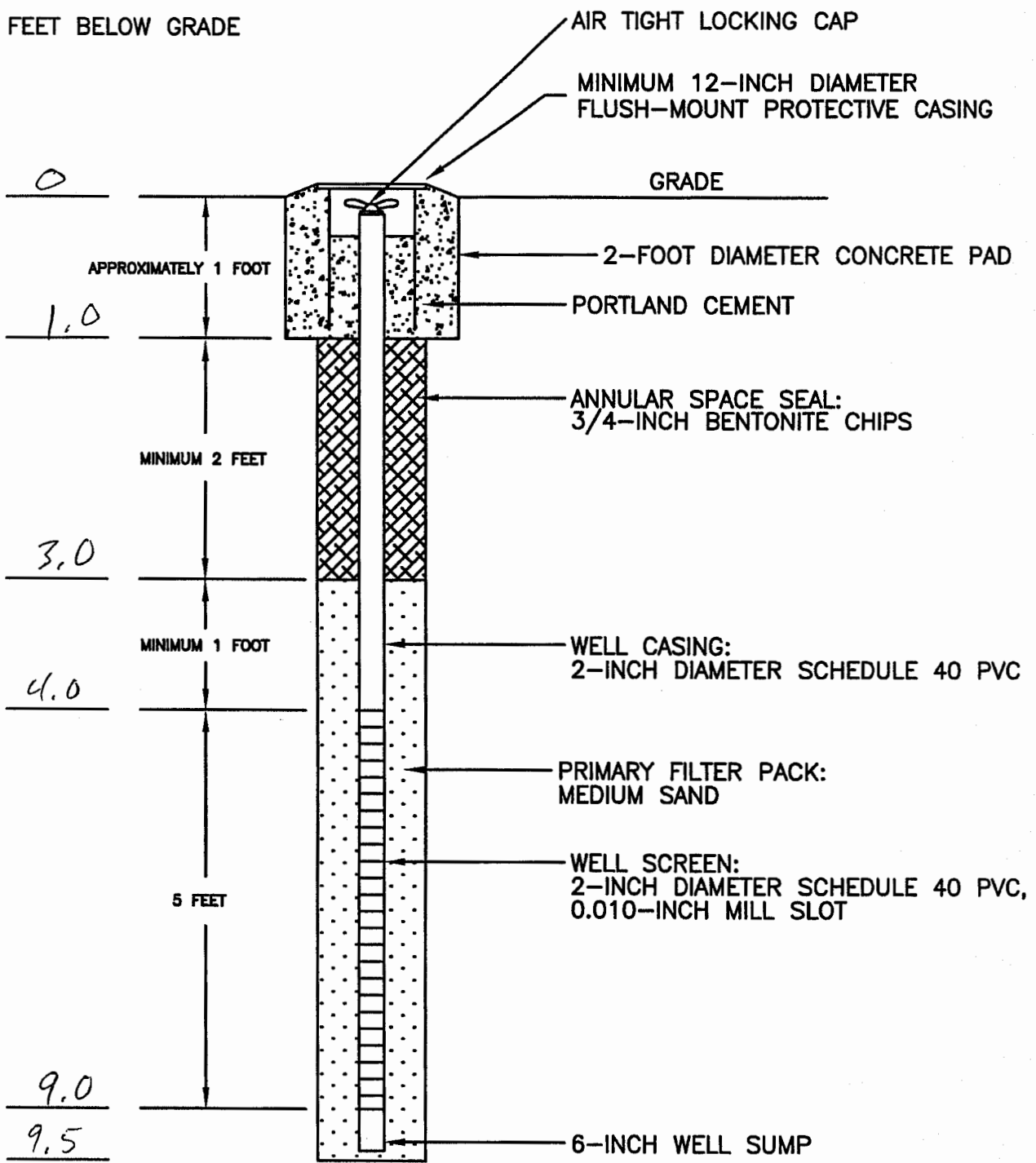
1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
			13 Insecticide storage	

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
		<u>See attached Geologic Log</u>			

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) ..... 4/5/04 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No ..... 6058 ..... This Water Well Record was completed on (mo/day/yr) ..... 7/29/04 ..... under the business name of Boart Longyear Env. Drilling Division by (signature) [Signature]

FEET BELOW GRADE



NOT TO SCALE

COMPLETED ON: 4/5/04

DATE	REVISED	Prepared By:	MAGELLAN PIPELINE COMPANY, LLC.
		LEGGETTE, BRASHEARS & GRAHAM, INC.	55th & PFLUMM / 53rd & SUMMIT RELEASE SITE
		Professional Ground-Water and	SHAWNEE, KANSAS
		Environmental Engineering Services	MONITORING WELL 02S CONSTRUCTION DIAGRAM
		2103 Burlington Street	FLUSH GRADE COMPLETION
		North Kansas City, Missouri 64116	FILE: MW 02S.DWG   DATE: MAY 2004   FIGURE: 1
		(816) 421-7766	

# GEOLOGIC LOG

**LEGGETTE, BRASHEARS & GRAHAM, INC.**

North Kansas City, Missouri

OWNER: Magellan Pipeline Company, LLC

TEST HOLE: MW-02S

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: 53rd and Summit

SCREEN SIZE & TYPE: 5'

SLOT NO.: SETTING:

DATE COMPLETED: 04/05/04

SAND PACK SIZE & TYPE: 6'

DRILLING COMPANY: Boart Longyear

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Rotasonic

SETTING:

SAMPLING METHOD: Survey stake

SEAL TYPE: bentonite chips

OBSERVER: Brandon Gomer

SETTING:

REFERENCE POINT (RP)

BACKFILL TYPE

ELEVATION OF RP: 113.5

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

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		1.0	0.7	CLAY, dark gray, some silt; trace organic matter
1	2		1.0	0.0	
2	3		1.0	0.0	2.5' CLAY, medium yellow-brown, soft; some silt
3	4		1.0	0.0	
4	5		1.0	0.0	LIMESTONE, pulverized to gravel size pieces
5	6		1.0	0.0	5.5' CLAY, light yellow-brown; some silt
6	6.5	G	0.5	0.0	Shaley LIMESTONE; light gray 6.25' SHALE, light gray
6.5	7		0.5	0.0	Shaley LIMESTONE, light gray
7	7.5		melted bag	0.0	
7.5	8	G		0.0	7.8' SHALE, light gray; broken at top
8	8.5		0.5	0.0	TRANSITION: darkening in color
8.5	9		0.5	0.0	Shaley LIMESTONE, light gray; pulverized to cobble pieces
9	9.5	G	0.5	0.0	SHALE, light gray
terminated					

DRAFT