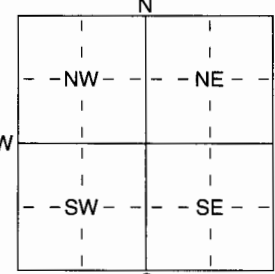


MW-05

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 Pflumm 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 11.5 ft. ELEVATION: 915.4  
 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

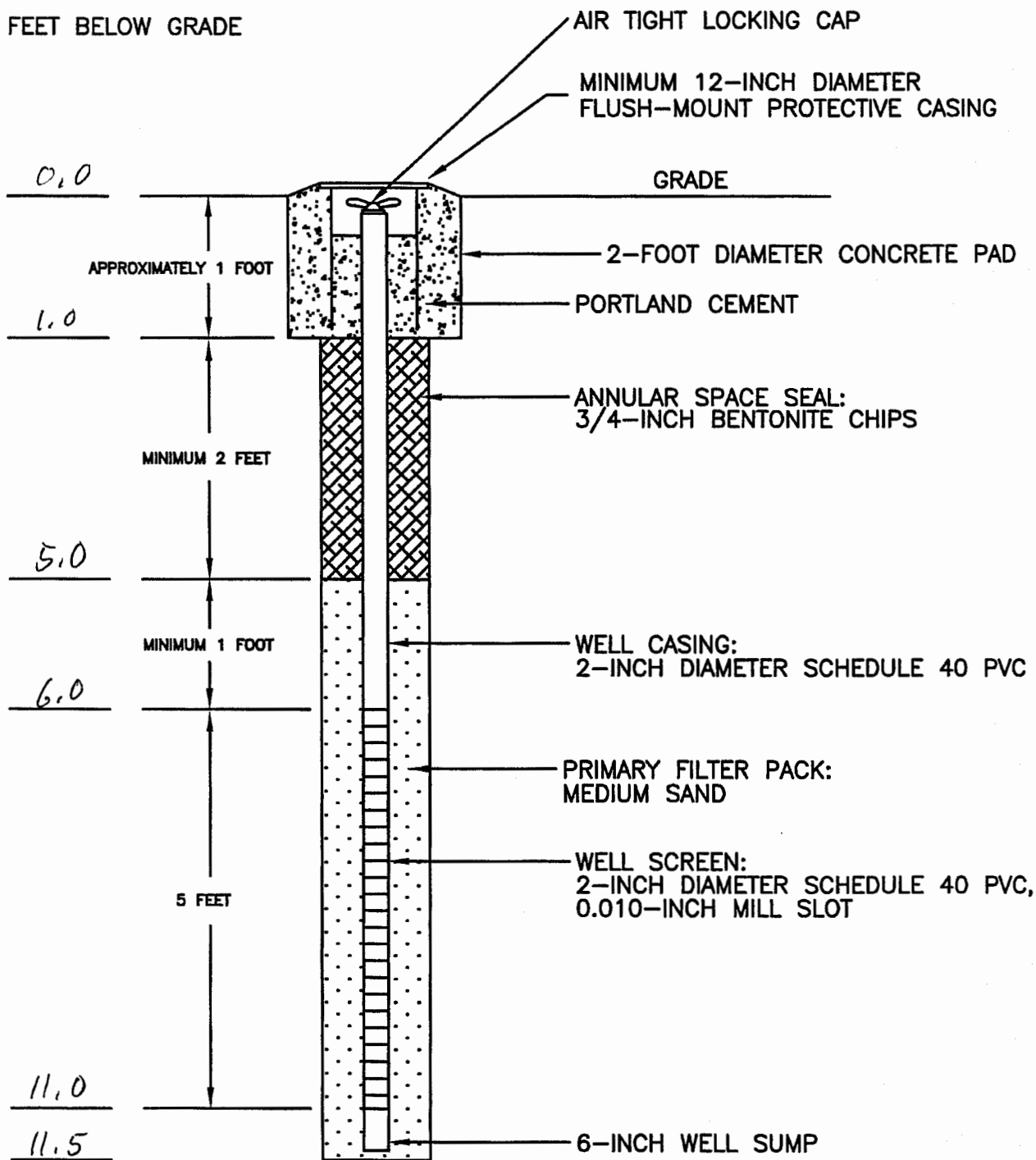
5 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued ..... Clamped .....  
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded .....  
 7 Fiberglass Threaded .....  
 Blank casing diameter 2 in. to 6.0 ft., Dia ..... in. to ..... ft., Dia ..... 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 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 6.0 ft. to 11.0 ft., From ..... ft. to ..... ft.  
 From 5.0 ft. to 11.5 ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From ..... ft. to ..... 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 1.0 ft. to 5.0 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
		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) 4/8/04 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) 7/29/04 under the business name of Boart Longyear Env. Drilling Division by (signature) [Signature]

FEET BELOW GRADE



NOT TO SCALE

COMPLETED ON: 4/8/04

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 05 CONSTRUCTION DIAGRAM
		North Kansas City, Missouri 64116	FLUSH GRADE COMPLETION
		(816) 481-7766	FILE: MW 05.DWG   DATE: MAY 2004   FIGURE: 1

# GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

North Kansas City, Missouri

**OWNER:** Magellan Pipeline Company, LLC

**TEST HOLE:** MW-05 (new)

**PAGE** 1 **OF** 1 **PAGE(S)**

<b>SITE LOCATION:</b> 53rd and Summit	<b>SCREEN SIZE &amp; TYPE:</b>
	<b>SLOT NO.:</b> <span style="float: right;"><b>SETTING:</b></span>
<b>DATE COMPLETED:</b> 04/08/04	<b>SAND PACK SIZE &amp; TYPE:</b>
<b>DRILLING COMPANY:</b> Boart Longyear	
<b>DRILLING METHOD:</b> Rotasonic	<b>SETTING:</b>
<b>SAMPLING METHOD:</b>	<b>SEAL TYPE:</b>
<b>OBSERVER:</b> Brandon Gomer	<b>SETTING:</b>
<b>REFERENCE POINT (RP)</b> Survey stake	<b>BACKFILL TYPE</b>
<b>ELEVATION OF RP:</b> 915.4	<b>STATIC WATER LEVEL:</b>
<b>STICK-UP:</b>	<b>DEVELOPMENT METHOD:</b>
<b>SURFACE COMPLETION:</b>	<b>DURATION:</b> <span style="float: right;"><b>YIELD:</b></span>

**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	1.0	0.0	CLAY, dark yellow-brown; soft; organics; some silt.
1	2		1.0	0.0	CLAY, medium yellow-brown; soft; beige/black mottling.
2	3		1.0	0.0	(2.75') Tree.
3	4		1.0	1.0	Wood cores.
4	4.5		0.5	1.0	Wood cores.
4.5	5		4 feet	0.0	CLAY, with large amounts of decaying wood.
5	6			0.0	(5.75') CLAY, medium yellow/orange brown; soft; organics; beige/black/red mottling; small clasts; less organics; more mottling and clasts.
6	7			0.0	<b>DRAFT</b>
7	8	G		1.0	
8	9			1.0	(8.75') CLAY, medium orange-brown; LIMESTONE. clasts; gravel/pebble size. (9.5') trace SHALE; light gray, brittle.
9	10	G		3.0	TRANSITION: increasing limestone content
10	11		4.5 feet	0.0	(10.75') Shaley LIMESTONE, pulverized, light gray.
11	11.5	G		0.0	
11.5	12		0.5	0.0	SHALE, light gray; firm/well-consolidated.
12	13		1.0	0.0	
terminated					