

1	LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
	County: Wyandotte	nw 1/4 nw 1/4	35	T -10 S	R 25 (EW)

Distance and direction from nearest town or city street address of well if located within city?
401 E. Donovan Rd., Kansas City, KS

2	WATER WELL OWNER:	Board of Agriculture, Division of Water Resources
	Magellan Pipeline Co. LLC	Application Number:
	RR#, St. Address, Box # : 401 E. Donovan Rd.	
	City, State, ZIP Code : Kansas City KS 66115	

3	LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4	DEPTH OF COMPLETED WELL	ft.	ELEVATION:	ft.
			39		743.07	
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 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well (12) Other (Specify below): Air Sparge / Soil Vapor Extraction Wells Was a chemical/bacteriological sample submitted to Department? Yes No X ; If yes, mo/day/yrs sample was submitted Water Well Disinfected? Yes No <u> </u>						

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 X
	Blank casing diameter 2 in. to 36.5 ft., Dia 4 in. to 11.0 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:	7 PVC 10 Asbestos-Cement				
	1 Steel 3 Stainless Steel 5 Fiberglass 8 RMP (SR) 11 Other (Specify) ft.	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	2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) ft.				
	SCREEN-PERFORATED INTERVALS:	From 36.5 (2") ft. to 39.5 ft., From 11.0 (4") ft. to 31.0 ft.				
	GRAVEL PACK INTERVALS:	From 35.4 ft. to 39 ft., From 9.1 ft. to 31.5 ft.				

6	GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite	4 Other
	Grout Intervals: From 31.5 ft. to 35.4 ft., From 4.0 ft. to 9.1 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)				
	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) 5/7/04 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]
---	--

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.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

North Kansas City, Missouri

OWNER: Magellan Pipeline Company, LLC

Well Number: MPE 48

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Kansas City Terminal
401 E. Donovan Road
Kansas City, KS 66115

SCREEN SIZE & TYPE: AS - 2" sch 40 V-wire
MPE - 4" sch 40 machine slot
AS
39.5 fbg - 36.5 fbg
MPE
AS - .020
SLOT NO.: MPE - .010 **SETTING:** 31.0 fbg - 11.0 fbg

DATE COMPLETED: 05/07/04

DRILLING COMPANY: Boart Longyear

SAND PACK SIZE & TYPE: AS - 12/20
MPE - 16/30
AS
MPE
SETTING: 39.0 fbg - 35.4 fbg 31.5 fbg - 9.1 fbg

DRILLING METHOD: Hollow Stem Auger

CASING SIZE & TYPE: AS - 2" sch 40 PVC
MPE - 4" sch 40 PVC
AS
MPE
SETTING: 36.5 fbg - +3.5'ag 11.0 fbg - 1.0 fbg

SAMPLING METHOD: N/A

SEAL TYPE: AS - 1/4" bentonite time release pellets
MPE - 3/8" Bentonite Chips
AS
MPE
SETTING: 35.4 fbg - 31.5 fbg 9.1 fbg - 4.0 fbg

OBSERVER: Susan Sweet

REFERENCE POINT (RP) Grade

BACKFILL TYPE:

ELEVATION OF RP: 743.07

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

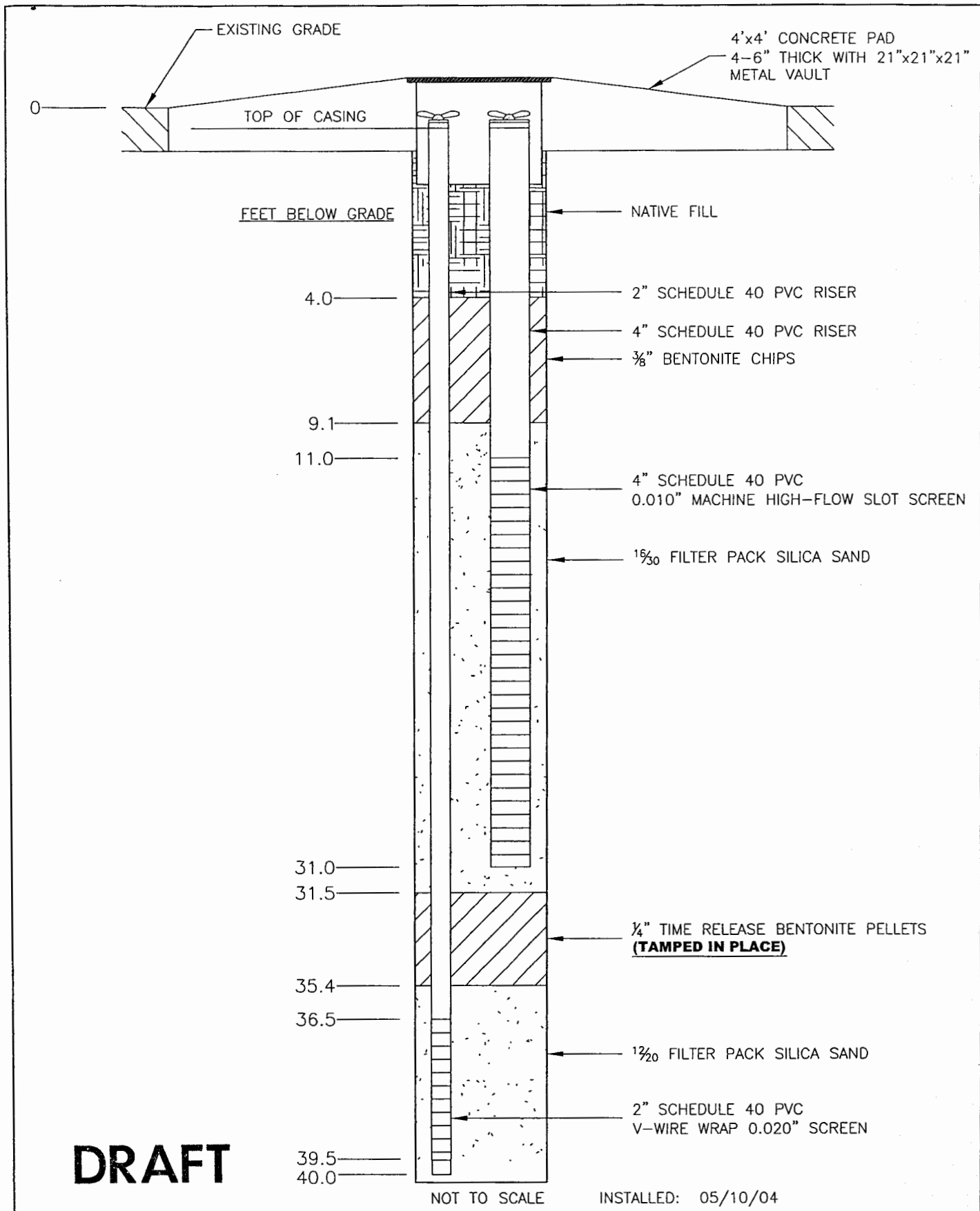
DURATION: **YIELD:**

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	6				Open bore hole.
6	8				CLAY.
8	11				SAND, fine to medium; medium gray; dry. Strong odor.
11	28				SAND, fine to medium; medium gray; wet. Strong odor.
28	31				SAND, medium; some fine; medium gray; saturated. Strong odor.
31	36				SAND, medium; some organic material; medium gray; saturated. Strong odor.
36	39				SAND, medium; little coarse; some organic material; medium gray; saturated. Strong odor.

DRAFT



DRAFT

DATE	REVISED

Prepared By:
LEGGETTE, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water and
 Environmental Engineering Services
 2103 Burlington Street
 North Kansas City, Missouri 64116
 (816) 421-7786

MAGELLAN PIPELINE COMPANY, LLC
 KANSAS CITY TERMINAL
 KANSAS CITY, KANSAS

MPE/SVE & AS WELL 48
 CONSTRUCTION DIAGRAM

FILE: MPE_AS 48.dwg DATE: MAY 2004 FIGURE: 1