

MPE 28

1 LOCATION OF WATER WELL: Fraction NW 1/4 NW 1/4 1/4 Section Number 35 Township Number T -10 S Range Number R 25 (E/W)
 County: Wichita

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

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

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 40 DEPTH OF COMPLETED WELL ft. ELEVATION: 744.08

1	2	3	4
NW	NE	SW	SE

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 Air Sparg./Soil Vapor Extraction Wells

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 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 X

Blank casing diameter in. to 36.5 ft., Dia in. to 11.0 ft., Dia in. to ft.
 Casing height above land surface in., weight lbs./ft. Wall thickness or guage 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 36.5 ft. to 39.5 ft., From 11.0 ft. to 31.0 ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 35.5 ft. to 40 ft., From 9.0 ft. to 31.5 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 31.5 ft. to 35.5 ft., From 4.0 ft. to 9.0 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) 5/12/04 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) 7/23/04 under the business name of Boat Longyear Envr. Drilling Division by (signature) [Signature]

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

North Kansas City, Missouri

OWNER: Magellan Pipeline Company, LLC

Well Number: MPE 28

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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
MPE
31.0 fbg - 11.0 fbg
AS
SLOT NO.: MPE - .020
SETTING: 39.5 fbg - 36.5 fbg
MPE - .010

DATE COMPLETED: 05/12/04

DRILLING COMPANY: Boart Longyear

DRILLING METHOD: Hollow Stem Auger

SAMPLING METHOD:

OBSERVER: Susan Sweet

REFERENCE POINT (RP): Grade

ELEVATION OF RP: 744.08

STICK-UP: AS 3.5' MPE 1.0'

SURFACE COMPLETION:

REMARKS:

SAND PACK SIZE & TYPE: AS - 12/20
MPE - 16/30
AS
SETTING: 40.0 fbg - 35.5 fbg 31.5 fbg - 9.0 fbg
CASING SIZE & TYPE: AS - 2" sch 40 PVC
MPE - 4" sch 40 PVC
AS
SETTING: 36.5 fbg - +3.5'ag 11.0 fbg - 1.0'ag
SEAL TYPE: AS - 1/4" bentonite time release pellets
MPE - 3/8" Bentonite Chips
AS
SETTING: 35.5 fbg - 31.5 fbg 9.0 fbg - 4.0 fbg

BACKFILL TYPE:

STATIC WATER LEVEL:

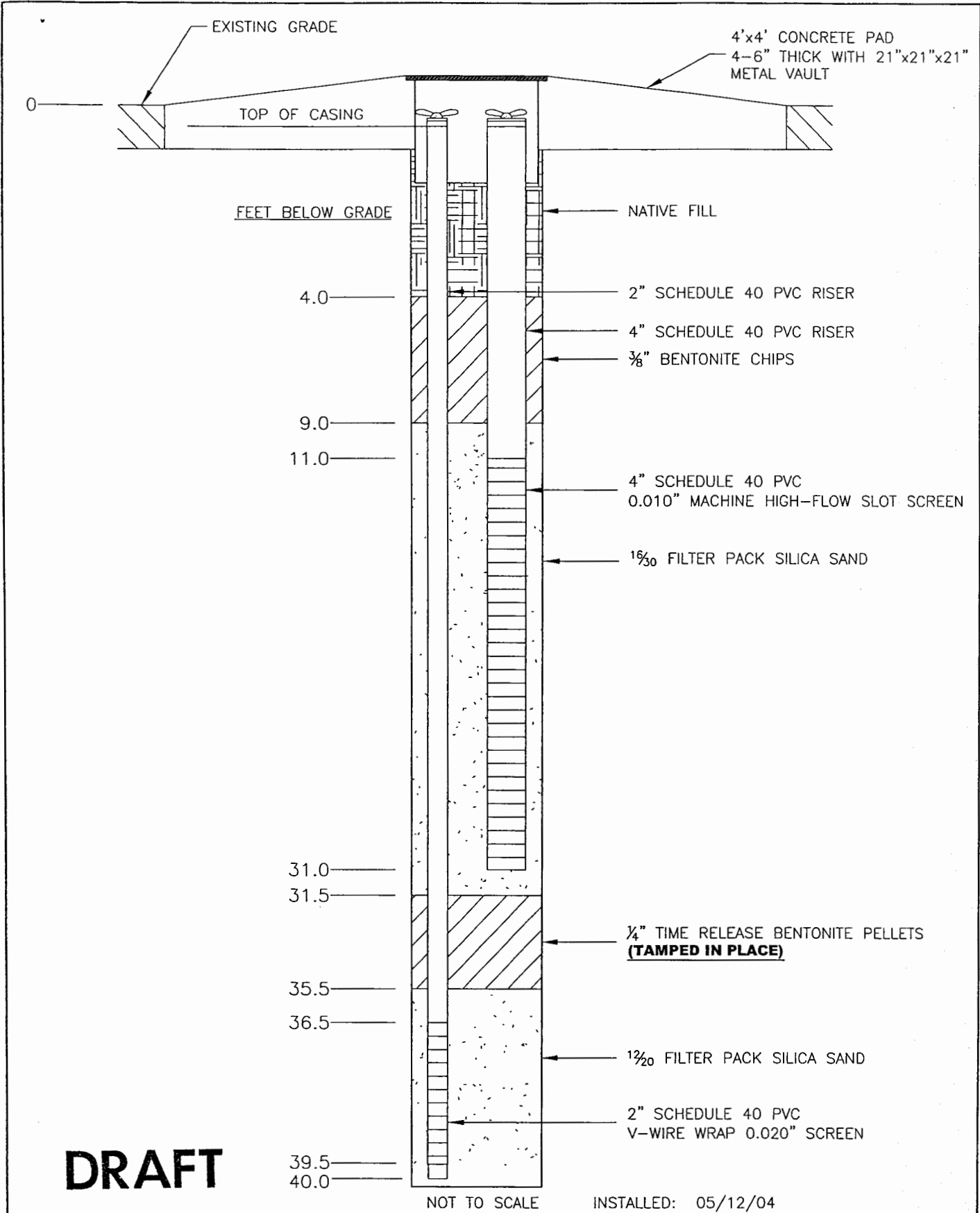
DEVELOPMENT METHOD:

DURATION: **YIELD:**

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	11				CLAY; some sand, very fine; medium gray; dry. Strong odor.
11	22				SAND, fine; olive-gray; dry. Strong odor.
22	40				SAND, medium; medium gray; saturated. Strong odor.





DRAFT

NOT TO SCALE

INSTALLED: 05/12/04

DATE	REVISED

Prepared By:
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MAGELLAN PIPELINE COMPANY, LLC
 KANSAS CITY TERMINAL
 KANSAS CITY, KANSAS
 MPE/SVE & AS WELL 28
 CONSTRUCTION DIAGRAM
 FILE: MPE_AS 28.dwg DATE: MAY 2004 FIGURE: 1