CORRECTION(S) TO WATER WELL RECORD (WWC-5)
(to rectify lacking or incorrect information)

County: Wyandotte

Location listed as:	**Location changed to:**
Section-Township-Range: 29-10S-25E	29-10S-25E
Fraction (¼ ¼ ¼): NE NE SE	SW SW SE NE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Latitude & longitude, KGS' "LEO" conversion tool, and mapping tool & aerial photo on KGS website.

initials: DBL date: 12/24/2008

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

WATER WELL RECORD MW-20 **Form WWC-5** Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: Wyandotte	Fraction: NE ¼ NE ¼ SE ¼	Section Number: 29	Township Number: T 10 (S)	Range Number: R 25 (E) W

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

Global Positioning Systems (decimal degrees, min. of 4 digits)
Latitude: N 39.15092
Longitude: W 94.64475
Elevation:
Datum: NAD 83
Data Collection Method: Garmin

2 WATER WELL OWNER: Magellan Pipeline Company
RR#, St. Address, Box # : One Williams Center
City, State, ZIP Code : Tulsa, OK 74172

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N / W / E / S; NW, NE (X), SW, SE

4 DEPTH OF COMPLETED WELL 46 ft.

Depth(s) Groundwater Encountered (1) 41.37 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 X; If yes, mo/day/yrs
Sample was submitted... N/A ..... Water well disinfected? Yes ..... No X.....

5 TYPE OF 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).....
Blank casing diameter 2 in. to 29.95 ft., Diameter. ..... in. to ..... ft., Diameter ..... in. to .....ft.
Casing height above land surface 0 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) 9 ABS 11 Other (Specify) .....
2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

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

SCREEN-PERFORATED INTERVALS: From 29.95 ft. to 46 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 29 ft. to 46 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 2 ft. to 29 ft., From 26 ft. to 29 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 13 Insecticide storage 16 Other (specify
2 Sewer lines 5 Cess pool 8 Sewage lagoon (11 Fuel storage) 14 Abandoned water well below)
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 15 Oil well/gas well .....
Direction from well? ..... How many feet? .....

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS

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) 9-10-08 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo/day/year) 10-12-08 under the business name of RAZEK Environmental, LLC by (signature) Andrew J. Razek

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. Visit us at http://www.kdheks.gov/waterwell/index.html.

Drilling Log

Project Name	Project Number	Boring Number
MPC QUINDARO	50252	MW-20
Ground Elevation	**Location** 39.15092°N, 94.64475°W BPU, KANSAS CITY, KS	**Page** 1
Air Monitoring Equipment PID		**Total Footage** 46'

Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. of Core Boxes
DIRECT PUSH HSA	2" 8¼"	46'	—	—	—

Drilling Company RAZEK	**Driller(s)** T. POULTER S. FARRIS
Drilling Rig TRACK MOUNTED GEOPROBE	**Type of Sampler** ACETATE SLEEVES CUTTINGS
Date 9-10-08 **To** 9-10-08	**Field Observer(s)** D. DAVIS

Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm) BZ	PID (ppm) BH	PID (ppm) S	Remarks/ Water Levels
	GRASS				0848	START DIRECT PUSH				0845 START DRILLING W/ 8¼" AUGERS
1	CLAY, TRACE SILT AND SAND YELLOWISH BROWN (10YR5/4) VERY STIFF, MEDIUM PLASTICITY DAMP	CL FILL							0	
2				4.1 5					0	
3									0	
4									0	
5					0850		0		0	
6	SILT, SOME CLAY, YELLOWISH BROWN (10YR5/4), STIFF, TRACE PLASTICITY, DAMP TO MOIST	ML FILL							0	
7				2.9					0	
8				1.5						
9										4" CLAY LENS
10					0852		0		0	
11	CLAY, TRACE SILT AND SAND, HARD, YELLOWISH BROWN (10YR5/4) MEDIUM PLASTICITY, DAMP	CL FILL							0	
12				4.2 5					0	
13	GRADING TO DARK GRAY (5Y 4/1)								0.4	1½" SAND LENS
14										

BZ=Breathing Zone BH=Bore Hole S=Sample

Burns & McDonnell SINCE 1898

051601 Form WCD-2-1

Drilling Log Continuation

Boring Number	MW-20
Project Name	MPC QUINDARO
Page	2
Project Number	50252
Date	4-10-03

Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm) BZ	PID (ppm) BH	PID (ppm) S	Remarks/ Water Levels
14	SILT, SOME SAND TRACE CLAY AND GRAVEL, VERY DARK GRAY (5Y 3/1) VERY STIFF, TRACE PLASTICITY, DAMP TRACE COAL, AND WOOD FRAGMENTS	ML FILL	FILL							
15		FILL			0935				13.6	
	SAND, FINE TO COARSE, GRAY (2.5Y 5/1) SUBANGULAR TO ROUNDED, WELL GRADED	SW								
16	DAMP TO MOIST								15.6	
		FILL								
17										
				1.9					21.5	
18				5						
	WET									HEAVY END HC ODOR
19										
	SILT, SOME VERY FINE TO FINE SAND, STIFF, TRACE TO NON PLASTIC, DAMP	ML								
20					900				3.6	
	CLAY, TRACE SILT, DARK GRAY (10YR 4/1) VERY STIFF, MEDIUM TO HIGH PLASTICITY DAMP,	CH							13.7	
21										
22									0.7	
				3.6						
23	GRADING TO DARK GRAY (5Y 4/1)			5						
									1.8	
24										
									3.9	
25					0905					
									9.1	
26										
27									27.6	
				2.6						
	SAND, VERY FINE TO FINE, GRAINED GRAY (5Y 5/1), POORLY GRADED,	SP								
28	DAMP			5					57.2	
29										
									16.5	
30					0910					
31									9.6	
32										

BZ=Breathing Zone BH=Bore Hole S=Sample

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051601 Form WCD-KC-2-2

Drilling Log Continuation

Project Name: MPC QUINDARO	Boring Number: MW-20
Project Number: 50252	Page: 3
	Date: 9-10-08

Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm) BZ	PID (ppm) BH	PID (ppm) S	Remarks/ Water Levels
32	SAND, VERY FINE TO FINE GRAINED, GRAY (5Y 5/1), POORLY GRADED, DAMP.	SP		2/5					99.9	
33										
34										
35	MOIST				0916				99.9	
36									46.2	
37	WET									
38				2.1/5					4.2	
39										
40					0924	STOP DIRECT PUSH			0.2	
					1052	DRILLING W/ 9 1/4 HSA				
41										
42				CUTTINGS						
43										
44										
45										
46					1101					
	TD = 46' bgs									

BZ=Breathing Zone BH=Bore Hole S=Sample

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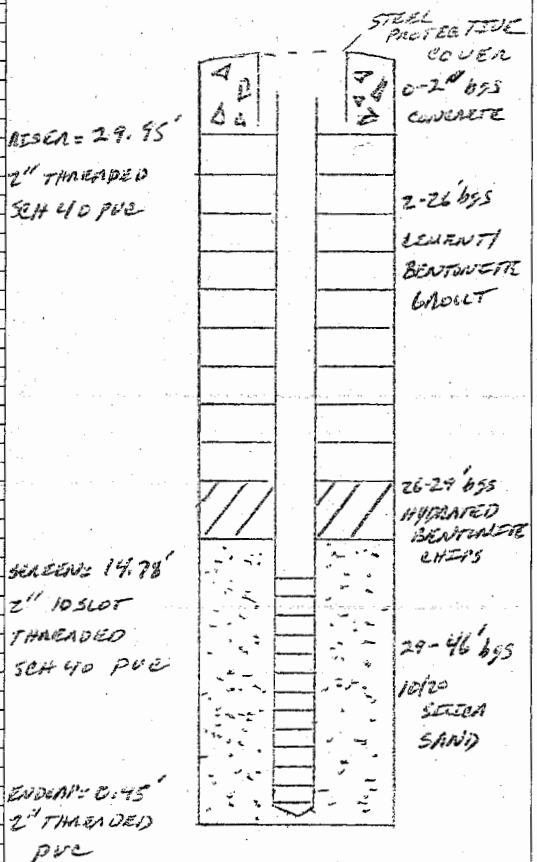
Drilling Log Continuation

Project Name MPC OAKLAND	Boring Number MW-20
Project Number 50252	Page 4
	Date 9-10-03

Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm) BZ	PID (ppm) BH	PID (ppm) S	Remarks/ Water Levels

NOT TO SCALE

MW-20



BORING TD = 46' bgs

WELL TD = 45.18' TOC

BZ=Breathing Zone BH=Bore Hole S=Sample

Burns & McDonnell SINCE 1898

051601 Form WCD-KC-2-2