

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.  

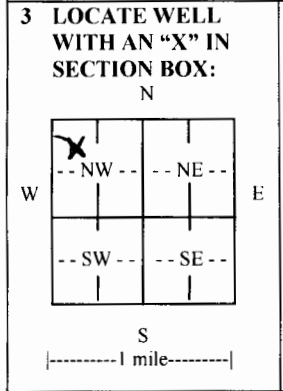
<b>1 LOCATION OF WATER WELL:</b> County: Miami	Fraction ¼      ¼ NW    ¼ NW    ¼	Section Number 9	Township No. T 18 S	Range Number R 23 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here .  
 Magellan Pipeline Company, L.P. Paola Pump Station Site  
 24303 W 343rd Street, Paola, KS

**Global Positioning System (GPS) information:**  
 Latitude: .38,5049037..... (in decimal degrees)  
 Longitude: -94.8822094..... (in decimal degrees)  
 Elevation: .....

**2 WATER WELL OWNER:** *Magellan Pipeline Company L.P.*  
 RR#, Street Address, Box #: *13424 W. 98th Street*  
 City, State, ZIP Code : *Lenexa, KS 66215*

Datum:  WGS 84,  NAD 83,  NAD 27  
 Collection Method:  
 GPS unit (Make/Model: *Garmin Nuvi*.....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
 Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m



**4 DEPTH OF COMPLETED WELL** 8.10..... ft.  
 Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.  
 WELL'S STATIC WATER LEVEL 7.42..... ft. below land surface measured on mo/day/yr. *4-8-10*.....  
 Pump test data: Well water was.....ft. after..... hours pumping..... gpm  
 EST. YIELD.....gpm. Well water was.....ft. after..... hours pumping..... gpm  
 Bore Hole Diameter *8.25*.....in. to *8.10*.....ft., and .....in. to .....ft.  
 WELL WATER TO BE USED AS:  Public water supply  Geothermal  Injection well  
 Domestic  Feedlot  Oil field water supply  Dewatering  Other (Specify below)  
 Irrigation  Industrial  Domestic-lawn & garden  Monitoring well *MW-1*.....  
 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 CASING USED:**  Steel  PVC  Other.....  
 CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter *2*..... in. to *4.26 2.11*..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface *33.96*..... in., Weight .....lbs./ft., Wall thickness or gauge No. *Sch 40*.....  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 Steel  Stainless Steel  PVC  Other (Specify).....  
 Brass  Galvanized Steel  None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 Continuous slot  Mill slot  Gauze wrapped  Torch cut  Drilled holes  None (open hole)  
 Louvered shutter  Key punched  Wire wrapped  Saw cut  Other (specify).....  
 SCREEN-PERFORATED INTERVALS: From *4.26 2.11*..... ft. to *8.10*..... ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From *2*..... ft. to *8.10*..... ft., From ..... ft. to ..... ft.  
 From..... ft. to ..... ft., From ..... ft. to ..... ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other.....  
 Grout Intervals: From *1*..... ft. to *2*..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 What is the nearest source of possible contamination:  
 Septic tank  Lateral lines  Pit privy  Livestock pens  Insecticide storage  Other (specify below)  
 Sewer lines  Cesspool  Sewage lagoon  Fuel storage  Abandoned water well  
 Watertight sewer lines  Seepage pit  Feedyard  Fertilizer storage  Oil well/gas well .....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		SEE ATTACHED LOG			

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo/day/year) *4/5/10*..... 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) *4/26/10*..... under the business name of *RAZEK Environmental, LLC*..... by (signature) *Chris J. Razeck*

**INSTRUCTIONS:** Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) 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 copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

# Drilling Log

Project Name <b>MAGELLAN-PAOLA</b>		Project Number <b>48042</b>		Boring Number <b>MW-1</b>	
Ground Elevation		Location <b>PAOLA, KS</b>		Page <b>1 OF 2</b>	
Air Monitoring Equipment <b>MINIRAE 2000 PID</b>				Total Footage <b>8.10</b>	
Drilling Type <b>HOLLOW STEM AUGER</b>	Hole Size <b>8 1/4</b>	Overburden Footage <b>7.1</b>	Bedrock Footage <b>- 1.0</b>	No. of Samples <b>-</b>	No. of Core Boxes <b>-</b>
Drilling Company <b>RAZEK ENVIRONMENTAL, LLC</b>			Driller(s) <b>TONY POULTER, SCOTT FERRIS</b>		
Drilling Rig <b>6620 GEOPROBE DT</b>			Type of Sampler <b>CUTTINGS</b>		
Date <b>4/5/10</b>		To <b>4/5/10</b>		Field Observer(s) <b>KYLE PERINO</b>	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
0	GRASS						0	0	0	BEGIN: 1530 0825
1	CLAY, SOME SILT, VERY DARK GRAY (7.5YR 3/1) DAMP, MEDIUM PLASTICITY, STIFF	CL					0	0	0	
2										
3							0	0	0	GEOPROBED 4/5 DRILLED 4/6
4										
5							0	0	0	
5	CLAY, SOME SILT, TRACE SAND	CL			5:35	MW-1				
6	TRACE GRAVEL, BROWN (10YR 5/4) DAMP, MEDIUM PLASTICITY STIFF					5-7' bgs SS-1	0	0	0	
7										
7	BEDROCK									
8										
8	END BORING, TOTAL DEPTH 8.10' bgs									END 1540 0837
9										
10										
11										
12										
13										
14										

BZ=Breathing Zone    BH=Bore Hole    S=Sample



051601 Form WCD-2-1

# Drilling Log Continuation

Project Name <b>MAGELLAN-PAOLA</b>		Boring Number <b>MW-1</b>
Project Number <b>48042</b>		Page <b>2 OF 2</b>
		Date <b>4/5/10</b>

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>RISER 4.26</p> <p>SCREEN 5.99</p> <p>END CAP 0.03</p> </div> </div>										<p>SET WELL @ 8.1' bgs.</p> <p>INSTALL 5.99' SCREEN 10 SLOT SCH 40 PVC.</p> <p>4.26' OF 2" DIA SCH 40 PVC RISER.</p> <p>AND 0.03' SLIP CAP END CAP.</p> <p>SAND INSTALLED FROM 8.1' 2.00' bgs.</p> <p>BENTONITE CHIPS ADDED FROM 2' - 1' bgs.</p> <p>FINISHED ABOVE-GRADE W/ A CONCRETE PAD TO GROUND LEVEL AND A WELL COVER ABOVE GRADE.</p> <p>USED 4 2/3 BAGS OF FILTER SAND AND 1/2 BAG OF BENTONITE CHIPS.</p>
NOT TO SCALE										