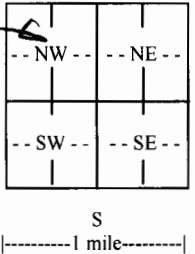


**WATER WELL RECORD**

**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
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/>  Magellan Pipeline Company, L.P. Paola Pump Station Site 24303 W. 343rd Street, Paola, KS		<b>Global Positioning System (GPS) information:</b> Latitude: <u>38.5049037</u> ..... (in decimal degrees) Longitude: <u>-94.8822094</u> ..... (in decimal degrees) Elevation: ..... Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: <u>GARMIN NUVI 760</u> .....) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input checked="" type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
<b>2 WATER WELL OWNER:</b> Magellan Pipeline Company, L.P. RR#, Street Address, Box #: 13424 W. 98th Street City, State, ZIP Code : Lenexa, KS 66215				

<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> N  S  -----1 mile-----	<b>4 DEPTH OF COMPLETED WELL 5.8</b> ..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2) <u>N/A</u> ..... ft. (3) <u>N/A</u> ..... ft. WELL'S STATIC WATER LEVEL <u>6.47</u> ..... ft. below land surface measured on mo/day/yr. <u>4-8-10</u> ..... Pump test data: Well water was <u>N/A</u> .....ft. after <u>N/A</u> ..... hours pumping. <u>N/A</u> ..... gpm EST. YIELD <u>N/A</u> .....gpm. Well water was <u>N/A</u> .....ft. after <u>N/A</u> ..... hours pumping. <u>N/A</u> ..... gpm Bore Hole Diameter <u>8.25</u> .....in. to <u>5.8</u> .....ft., and <u>N/A</u> .....in. to <u>N/A</u> .....ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well <u>MW-4</u> Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted <u>N/A</u> ..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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**5 TYPE OF CASING USED:**  Steel  PVC  Other .....

CASING JOINTS:  Glued  Clamped  Welded  Threaded

Casing diameter 2..... in. to 2.75.....ft., Diameter N/A..... in. to N/A..... ft., Diameter N/A..... in. to N/A..... ft.  
 Casing height above land surface 36.00..... in., Weight N/A.....lbs./ft., Wall thickness or gauge No. Schedule 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 2.....ft. to 5.80..... ft., From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 2.....ft. to 5.8..... 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 .....

Direction from well ..... Distance from well .....

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

**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) 4/6/10..... 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 [Signature]).....

**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-4</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>5.8</b>	
Drilling Type <b>HOLLOW STEM AUGER</b>	Hole Size <b>8 1/4"</b>	Overburden Footage <b>5.0</b>	Bedrock Footage <b>0.8</b>	No. of Samples <b>-</b>	No. of Core Boxes <b>-</b>
Drilling Company <b>RAZEK ENVIRONMENTAL, LLC</b>			Driller(s) <b>TOMY POULTER, SCOTT FERRIS</b>		
Drilling Rig <b>60620 GEOPROBE <sup>KP</sup> <del>LLC</del> DT</b>			Type of Sampler <b>CUTTINGS</b>		
Date <b>4/6/10</b>		To <b>4/6/10</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	
	<b>GRASS</b>	<b>CL</b>								<b>START: 1325</b>
1	<b>CLAY WITH SILT, BLACK (7.5YR 2.5/1) DAMP, MEDIUM PLASTICITY, STIFF</b>	<b>CL</b>								
2										
3										
4	<b>CLAY, SOME SILT, BROWN (7.5YR 4/4) DRY TO DAMP, MEDIUM PLASTICITY, VERY STIFF</b>	<b>CL</b>								
5	<b>BEDROCK</b>				<b>331</b>					
6	<b>END BORING, TOTAL DEPTH</b>		<b>5.8</b>	<b>bags</b>						<b>END: 1345</b>
7										
8										
9										
10										
11										
12										
13										
14										



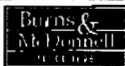
# Drilling Log Continuation

Project Name						Boring Number				
MAGELLAN-PAOLA						MW-4				
Project Number						Page				
48042						2 OF 2				
Date						PID (ppm)				
						4/6/10				
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="flex: 1;"> <p style="text-align: center;">MW-4</p> <p style="text-align: center;">NOT TO SCALE</p> </div> <div style="flex: 1; padding-left: 10px;"> <p>ABOVE GRADE RISER</p> <p>1' bgs CONCRETE</p> <p>2.00 bgs BENTONITE CHIPS</p> <p>SAND FILTER PACK</p> <p>SCREEN 3.10</p> <p>5.8' bgs</p> <p>END CAP 0.03</p> </div> </div>									<p>SET WELL @ 5.8' bgs. INSTALL 3.10' SCREEN 10 SLOT SCH 40 PVC. 5.00' OF 2" DIA SCH 40 PVC RISER AND 0.03' OF SLIP CAP END CAP. SAND INSTALLED FROM 5.8-2.00' bgs. BENTONITE CHIPS ADDED FROM 2'-1.00' bgs. FINISHED ABOVE-GRADE W/ A CONCRETE PAD TO GROUND LEVEL AND A WELL COVER ABOVE GRADE. USED 2 BAGS OF FILTER SAND AND 1/2 BAG OF BENTONITE CHIPS.</p>	

BZ=Breathing Zone

BH=Bore Hole

S=Sample



051601 Form WCD-KC-2-2